NOV 28 1989

SGTR:GHG
71-5450

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Westinghouse Electric Corporation
ATTN: Mr. E. K. Reitler
Drawer R
Columbia, SC 29250

Gentlemen:

This refers to your application dated October 5, 1989, requesting an amendment to Certificate of Compliance No. 5450 for the Model No. RCC package.

In connection with our review, we need the information identified in the enclosure to this letter.

Please advise us within 30 days from the date of this letter when this information will be provided. Additional information requested by this letter should be submitted in the form of revised pages. If you have any questions regarding this matter, we would be pleased to meet with you and your staff.

Sincerely,

/s/

Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards
and Transportation, NMSS

Enclosure: As stated

OFC3
1/1

OFC	:SGTB G	:SGTB G	:SGTB	:SGTB	:	:
NAME	:GGardes:kds	:CNLindner	:CRChappell	:CEMacDonald	:	:
DATE	:11/22/89	:11/22/89	:11/28/89	:11/28/89	:	:

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1. What is the minimum mass loading of ZrB_2 per unit length within a IFBA rod and what tests, measurements and precautions are used to assure that the minimum mass loading is present?

2. Discuss the extent to which the distribution of the ZrB_2 coating on the fuel pellets can vary and the effect the variability of the coating has on sub-criticality.

3. Describe the tests, measurements and precautions taken to assure that the pellets with the ZrB_2 coating are in the correct position and are the correct length in the IFBA rods.

4. Describe the tests, measurements and precautions taken to assure that the IFBA rods are in the correct positions in the fuel assemblies.

5. Show that the effectiveness of the ZrB_2 coating will not be significantly reduced under the hypothetical accident conditions in 10 CFR Part 71.

6. Justify the credit, not to exceed 75%, taken for the ZrB_2 coating on the fuel pellets in the IFBA rods.

7. Describe and justify the model used to represent the ZrB_2 in the criticality analyses.