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Dan A. Nauman
Vice President
Nuclear Operations

January 16, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Steam Generator Tube Plugging
Criteria

Dear Mr. Denton:

In a letter from Mr. O. W. Dixon, Jr., to Mr. H. R. Denton dated October 16, 1985, South Carolina Electric and Gas Company (SCE&G) requested an amendment to the Virgil C. Summer Nuclear Station Technical Specifications, Section 3/4.4.5, "Steam Generators," and its bases. This amendment was in part to revise the tube plugging limit definition in item 4.4.5.4.a. to exclude from plugging those tubes with indications greater than 1.25 inches below the top of the tubesheet which have an intact tube above them (one row higher in number, same column). By a letter dated October 25, 1985, SCE&G withdrew that request based on eddy-current testing results indicating no immediate need and concerns raised by the NRC Staff. Based on further discussions with the NRC Staff, SCE&G hereby requests the Technical Specifications be revised as indicated in Attachment A. This amendment request, similar to that included in the October 16, 1985 submittal, permits SCE&G not to plug certain steam generator tubes containing defects in the tubesheet region of the tube.

Included as Attachment II of the October 16, 1985 submittal were Topical Report WCAP's 10949 and 10950, "Tubesheet Region Plugging Criterion for Full Depth Hardroll Expanded Tubes." These documents were prepared by Westinghouse Electric Corporation to provide the technical discussion and justification for allowing certain tubes with degradations within the tubesheet region to remain in service. These WCAPs again provide the support for the amendment now being proposed and additional copies of the documents can be provided to the NRC Staff upon their request. Please be reminded that WCAP 10949 is proprietary to Westinghouse and the information contained within the WCAP should be treated accordingly.

Attachment B to this letter is SCE&G's no significant hazards determination for this amendment. This amendment will not change or increase the amounts of effluents that may be released offsite. The WCAP evaluation supporting this amendment demonstrates that tube integrity is maintained under postulated limiting conditions and therefore precludes the potential for radioactive releases. The types of effluents will not change because the amendment should

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Mr. Harold R. Denton
Steam Generator Tube Plugging Criteria
January 16, 1986

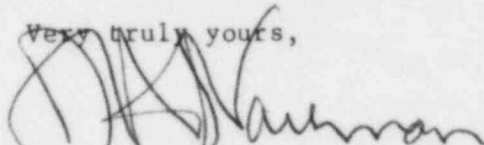
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not affect steam generator chemistry. No significant increases in the potential for or consequences from radiological accidents will occur due to the proposed amendment. Tube bundle integrity was demonstrated in WCAP 10949 and therefore precluded the probability for an increase in radiological events. Furthermore, the requirements for containment integrity and effluent systems are not altered by this amendment and provide further assurances that potentials for and consequences from radiological accidents are not significantly increased.

These changes have been reviewed and approved by the Plant Safety Review Committee and the Nuclear Safety Review Committee. The application fee for the review of the amendment request has been submitted previously as detailed in the August 30, 1985 letter from Mr. O. W. Dixon, Jr., to Mr. H. R. Denton.

If you should have any additional questions, please advise.

Very truly yours,



D. A. Nauman

DAN/AMM/tdh/csw

Attachments

c: V. C. Summer
O. W. Dixon, Jr./T. C. Nichols, Jr.
E. H. Crews, Jr.
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J. G. Connelly, Jr.
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File