



**PSEG**

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General Manager - Licensing and Environment

July 7, 1981



Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation  
Washington, D. C. 20555

Dear Mr. Eisenhut:

HOPE CREEK GENERATING STATION  
DOCKET NOS. 50-354 AND 50-355  
RESPONSE TO IMPLEMENTATION OF NUREG-0313  
REV. 1 (GENERIC TASK A-42)  
(GENERIC LETTER 81-03)

On September 28, 1979, we forwarded our response to NUREG - 0313 on the use of austenitic stainless steel in all ASME Nuclear Class I stainless steel process piping for the construction of Hope Creek Generating Station, Units 1 and 2. Additionally in 1980, we changed the safe ends on both units to a type 316L material and to a new design. This replacement eliminated the thermal sleeves that are welded to the pressure boundary and form crevices.

To meet the requirements set forth in revision 1 of this document, we have given considerable attention to the problem of intergranular stress corrosion cracking (IGSCC) for BWR, ASME Nuclear Class 2 and 3 pressure boundary piping. Our response to NUREG - 0313, Rev. 1 is as follows:

1. All ASME Nuclear Class 2 and 3 process piping used in the construction of Hope Creek Generating Station, Units 1 and 2 will be austenitic steel or L-grade type austenitic stainless steel conforming to the NRC position in Part III. A.

This measure satisfies the requirements and eliminates the actions called for in the NRC position in Parts III.B and III.C.

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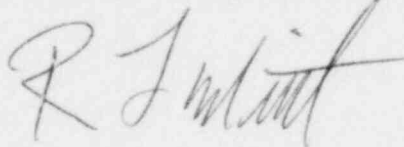
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2. Since all ASME Nuclear Class 2 and 3 pressure boundary piping meets the guidelines of Part III of NUREG - 0313, Rev. 1, no augmented inservice inspection or leak detection requirements beyond those specified in 10 CFR 50.55 a(g), "Inservice Inspection Requirements" and the plant Technical Specifications for leakage detection are necessary as stated in the NRC position in Part IV.A.

We believe that the above mitigation measures will minimize the susceptibility to stress corrosion cracking of austenitic stainless steel in the reactor coolant pressure boundary and other ASME III Class 2 and 3 process pressure boundary piping, and fitting material. We will continue to monitor the results of the NRC pipe crack study group, and evaluate any further findings for their applicability to the Hope Creek Generating Station.

We will continue our survey of existing equipment vendors to ascertain whether they are providing any ASME III Class 2 or 3 stainless steel piping that is not in compliance with the guidelines stated in Part III. To date, no "nonconforming" pipe has been found. We expect to complete this survey by January, 1982. We will provide the results of the survey at that time.

Very truly yours,



CC: Mr. Boyce H. Grier - Region I Office