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Vogle Project

May 10, 1985

Director of Nuclear Reactor Regulation
Attention: Ms. Elinor G. Adensam, Chief
Licensing Branch #4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

File: X7BC35
Log: GN-610

REF: BAILEY TO DENTON, GN-584, ENCLOSURE E, DATED 4/18/85

NRC DOCKET NUMBERS 50-424 AND 50-425
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2
METB REQUEST FOR ADDITIONAL INFORMATION AND Q430.41

Dear Mr. Denton:

Your staff requested additional information as part of the VEGP review process. Enclosure A contains a revised response to Q460.8 and reflects the information requested by your staff in a teleconference on May 9, 1985. Enclosure B contains a revised response to Q430.41 and supercedes that transmitted by the referenced letter. Both these enclosures will appear in FSAR Amendment 17.

If your staff requires any additional information, please do not hesitate to contact me.

Sincerely,

J. A. Bailey
Project Licensing Manager

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PDR ADOCK 03000424
A PDR

JAB/sm

Enclosure

cc: D. O. Foster
R. A. Thomas
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Vogle Project File

Boo!
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auxiliary building. To prevent overpressurization of the auxiliary building walls the following design features have been provided.

- Redundant safety-related temperature and flow instrumentation and isolation valves that automatically isolate flow from the break.
- Relief damper in the auxiliary building external wall designed to open at 3 psid.

The steam generator blowdown line will be automatically isolated within 10 s after the break is detected, so the release through the relief damper will be limited to a short duration. A noble gas effluent monitor on the steam generator blowdown line break overpressurization relief damper is not necessary because the steam generator liquid monitor measures the activity in the steam generator blowdown liquid which is representative of the liquid that flashes and is released through the damper. A sample of the steam generator liquid may also be taken to obtain a more quantitative analysis of the activity in the steam generator blowdown line.

prior to the break

- B. Since all aspects of the design have not been finalized, this information will not be available until May 1985.

If a steam generator blowdown line break occurs, the steam generator liquid range of 4×10^{-7} to $4 \times 10^{-2} \text{ uCi/cc}$ will cover the expected concentrations in the steam generator blowdown liquid.

Insert A

Question 430.41

Intake and exhaust system components (silencers, filters, and expansion joints) are manufactured in accordance with the guidelines as stated by the DEMA standards. They are designed in accordance with seismic Category I requirements. To qualify these non-ASME Code components for seismic Category I service, the manufacturers have provided equipment which is made of heavier material than standard commercial products, and reinforced to withstand the seismic as well as the operating forces involved. ASME materials (SA-36 material for the intake filter and silencer, and SA-283-C material for the exhaust silencer) were used to fabricate these components. Model analysis performed by the diesel generator manufacturer, Transamerica Delaval, Inc. (TDI) shows the maximum predicted stresses for these components are less than 70 percent of the minimum yield strength for each of the materials as allowed by ASME, Section III. The project class designation for these components is O15. ↑

These components are not available as ASME Section III, Class 3. These components are identical to, or similar to those components used at other recently licensed plants. In addition, . . .

The air intake filter and silencer and exhaust silencer are Q-listed as shown in Table 3.2.2-1 sheet 39 and are covered under the manufactures QA program (see paragraph 3.2.2.3.1).