

Babcock & Wilcox

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Mr. A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D. C. 20545

Regulation File #
Received by/Date 1-12-73

Re: Oconee Nuclear Station
Docket No. 50-269

Dear Mr. Giambusso:

Attached are responses to several questions received over the last few months in regard to the Core Flooding Tank Line Break and, in particular, the questions received by telecon and discussed at our meeting of January 4, 1973 in Bethesda, Maryland.

Duke Power Company is installing a flow restrictor in the core flooding nozzle to restrict the magnitude of the blowdown and retain more water in the reactor vessel during the accident.

Attachment 1 provides a description and mechanical design of the device.

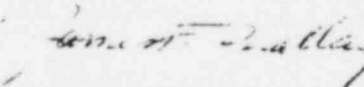
Attachment 2 provides an analysis of the Core Flooding Line Break with the flow restrictor in place.

Attachment 3 shows the effect of the device on the operation of the Emergency Core Cooling System for both large and small breaks.

The results for the Core Flooding Line Break for the Oconee reactor demonstrate that all of the AEC Interim Acceptance Criteria for Emergency Core Cooling Systems are satisfied.

Very truly yours,

BABCOCK & WILCOX COMPANY
Nuclear Power Generation


James F. Mallay
Manager, Licensing

JFM/db
Attach.

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