

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)**

CONTROL NO: 6884

FILE: *MP1*

FROM: Duke Power Company Charlotte, N.C. 28201 Mr. A.C. Thies			DATE OF DOC 9-6-73	DATE REC'D 9-12-73	LTR X	MEMO	RPT	OTHER
TO: R.C. DeYoung			ORIG 1	CC	OTHER	SENT AEC PDR XXX SENT LOCAL PDR XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269/270/287			

DESCRIPTION:
Ltr re our 7-19-73 ltr....providing add'l info concerning design review of all liquid tanks at the Oconee Nuclear Station.

ENCLOSURES:

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Oconee Nuclear Station

FOR ACTION/INFORMATION 9-13-73 JB

BUTLER(L) W/ Copies	SCHWENCER(L) W/9 Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	W/ Copies
GOLLER(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	W/ Copies
KNIEL(L) W/ Copies	SCHEMEL(L) W/ Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

REG FILE (3)	TECH REVIEW	DENTON	LIC ASST	A/T IND
AEC PDR (3)	HENDRIE	GRIMES		BRAITMAN
OGC, ROOM P-506A	SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
MUNIZING/STAFF	MACCARY	KASTNER	GEARIN (L)	
CASE	KNIGHT	BALLARD	GOULBOURNE (L)	PLANS
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	MCDONALD
BOYD	SHAO		MAIGRET (L)	DUBE
MOORE (L) (BWR)	STELLO	ENVIRO	SERVICE (L)	
DEYOUNG(L) (PWR)	HOUSTON	MULLER	SHEPPARD (E)	INFO
SKOVHOLT (L)	NOVAK	DICKER	SMITH (L)	C. MILES
P. COLLINS	ROSS	KNIGHTON	TEETS (L)	
REG OPR	IPPOLITO	YOUNGBLOOD	WADE (E)	
FILE & REGION(3)	TEDESCO	REGAN	WILLIAMS (E)	
MORRIS	LONG	PROJECT LDR	WILSON (L)	
STEELE	LAINAS			
	BENAROYA	HARLESS		
	VOLLMER			

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR <u>Walhalla, S.C.</u>	(1)(2)(10) NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1 - DTIE (ABERNATHY)	1-R. Schoonmaker, OC, GT, D-323	1-GERALD LELLOUCHE
✓ 1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB (YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S	1-AGMED (WALTER KOESTER RM-C-427-GT
✓ 16 - CYS ACRS XXXXXX Sent to Goulbourne 9-13-73	NEWMARK/BLUME/AGBABIEN	1-RD..MULLER..F-309 GT
	1-GERALD ULRIKSON...ORNL	

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

September 6, 1973

Mr. R. C. DeYoung
Assistant Director for
Pressurized Water Reactors
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

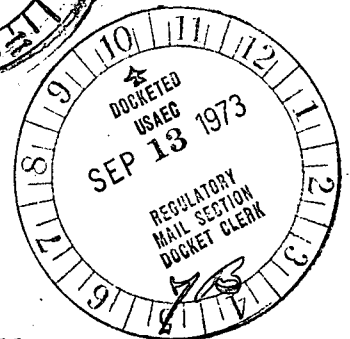
Re: Oconee Nuclear Station
Docket Nos. 50-269 -270, -287

Dear Mr. DeYoung:

As requested in your letter of July 19, 1973, the designs of all liquid tanks which contain radioactivity have been reviewed. As a result of that review, it has been determined that if a Borated Water Storage Tank overflowed, the liquid would be released into the station yard drain system, and eventually into the Keowee River. A station problem report has been issued requesting that the overflow line from each Borated Water Storage Tank be piped into nearby pipe trenches. These pipe trenches drain into the Low Activity Waste Tanks. This design change will ensure that inadvertent overflow from the Borated Water Storage Tanks would go to the Low Activity Waste Tanks and then be processed through the normal liquid waste system. It is estimated that design of this modification can be completed in 30 days, and that fabrication and installation can be completed in another 30 days.

The Borated Water Storage Tanks are provided with both high level and low level alarms. Thus, the operator in the control room is warned when the level in the Borated Water Storage Tank exceeds 52 feet or drops below 50 feet. Level indication is also provided to the operator, and reactor operation is not permitted by the technical specifications if the Borated Water Storage Tank level drops below 46 feet. Should a Borated Water Storage Tank develop a leak, the contents of the tank can be transferred to a fuel transfer canal.

All other liquid tanks which contain radioactivity are located in the Auxiliary Building, and any overflow from these tanks would be collected and processed by the liquid waste treatment systems.



Mr. R. C. DeYoung
Page 2
September 6, 1973

Procedures related to the liquid storage tanks which contain radioactivity have been reviewed and are adequate to prevent the types of incidents described in your letter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "A. C. Thies".

A. C. Thies

ACT:vr

Babcock & Wilcox

Power Generation Group

P.O. Box 1260, Lynchburg, Va. 24505

Telephone: (804) 384-5111

December 4, 1973

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

50 - 269

50 - 270

50 - 287



Dear Mr. Giambusso:

Transmitted herewith are sixty (60) copies of a Babcock & Wilcox PROPRIETARY report, BAW-1399, "Oconee 3 Fuel Densification Report".

This report together with Babcock & Wilcox PROPRIETARY Topical Report BAW-10054, Revision 2, present the specific results for the Oconee 3 cycle 1 fuel and support operation of this plant at rated power (2568 MWt). This report will be incorporated by Duke Power Company into its license application by separate letter.

Babcock & Wilcox requests that this report be treated as proprietary in nature because we have independently conducted studies to investigate the extent and effects of fuel densification. Disclosure of this information would provide knowledgeable individuals with information which would impair B&W's competitive position in this area. Portions of this information have been held as confidential within the Company and have not been disclosed to any other person or persons except on a proprietary basis.

Very truly yours,

BABCOCK & WILCOX COMPANY
Nuclear Power Generation

A handwritten signature in cursive script, appearing to read "James F. Mallay".

James F. Mallay
Manager, Licensing

JFM/bmm
Encls.

8925