

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: N. R. C.		FROM: Duke Power Company Charlotte, North Carolina William O. Parker, Jr.		DATE OF DOCUMENT 5/5/77
<input checked="" type="checkbox"/> LETTER <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> COPY		<input type="checkbox"/> NOTORIZED <input checked="" type="checkbox"/> UNCLASSIFIED		DATE RECEIVED 5/12/77
PROP		INPUT FORM		NUMBER OF COPIES RECEIVED 1 SIGNED

DESCRIPTION

Ltr. consisting of information relative to previously requested Amdt. to OL requiring opening force for the reactor internals vent valves equivalent to 1.0 psid.....

(1-P)

PLANT NAME: **ACKNOWLEDGED**

Oconee Units 1-2-3

RJL

ENCLOSURE

SAFETY DO NOT DESTROY		ACTION/INFORMATION		ENVIRO
ASSIGNED AD:		ASSIGNED AD:		
BRANCH CHIEF: (5)	SCHWENGER	BRANCH CHIEF:		
PROJECT MANAGER:	NEIGHBORS	PROJECT MANAGER:		
LIC. ASST. :	SHEPPARD	LIC. ASST. :		

INTERNAL DISTRIBUTION			
<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY & ENVIRO ANALYSIS
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	DENTON & MULLER
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	ENVIRO TECH. ERNST
<input checked="" type="checkbox"/> OELD		LAINAS	BALLARD
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	YOUNGBLOOD
<input checked="" type="checkbox"/> MIPC	MACARRY	KIRKWOOD	
<input checked="" type="checkbox"/> CASE	BOSNAK		
<input checked="" type="checkbox"/> HANAUER	SIHWEIL	OPERATING REACTORS	
<input checked="" type="checkbox"/> HARLESS	PAWLICKI	STELLO	
			SITE TECH. GAMMILL
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	STEP
BOYD	ROSS	EISENHUT	HULMAN
P. COLLINS	NOVAK	SHAO	
HOUSTON	ROSZTOCZY	BAER	
PETERSON	CHECK	BUTLER	SITE ANALYSIS VOLLNER
MELTZ		GRIMES	BUNCH
HELTEMES	AT & I		J. COLLINS
SKOVHOLT	SALTZMAN		KREGER
	RUTBERG		

EXTERNAL DISTRIBUTION			CONTROL NUMBER
<input checked="" type="checkbox"/> LPDR: W98HALLA 50	NAT. LAB:	BROOKHAVEN NAT. LAB.	771330006 MA 4 60
<input checked="" type="checkbox"/> TIC:	REG V. IE	ULRIKSON (ORNL)	
<input checked="" type="checkbox"/> NSIC:	LA PDR		
<input checked="" type="checkbox"/> ASLB:	CONSULTANTS:		
<input checked="" type="checkbox"/> ACRS 16 CYS HOLDING/SENT	A3 CAT B		

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

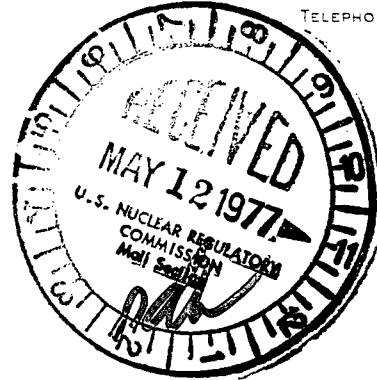
WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

May 5, 1977

TELEPHONE: AREA 704
373-4083

REGULATORY DOCKET FILE COPY

Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



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

Dear Sir:

My letter dated March 1, 1977, submitted in response to your letter of October 12, 1976, requested an amendment to the Oconee Nuclear Station Technical Specifications to provide for surveillance testing of the reactor internals vent valves. The proposed change to the Technical Specifications required opening force for the reactor internals vent valves equivalent to 1.0 psid. This change will have no significant effect on the peak cladding temperature during a LOCA. The large break LOCA analysis which is reported in BAW-10103, was reviewed and it was determined that, with the exception of the first 0.2 seconds of the reflooding phase of the accident, a pressure differential in excess of 1.0 psid was maintained across the vent valves. Therefore, the vent valves would remain fully open during reflooding, except for the first 0.2 seconds, even if the proposed 1.0 psid force was required. For the analysis in BAW-10103, the vent valves were always fully open. Thus, the proposed change could only have a 0.2 second effect. Even if it were assumed that the cladding would undergo an adiabatic heatup over the 0.2 interval, the peak cladding temperature would increase by only 7°F. In actuality, the 0.2 second interval would be decreased by the rapid increase in upper plenum pressure which would occur with the vent valves closed. Additionally, over the 0.2 second delay, the heatup would not be adiabatic. The expected increase in cladding temperature would be only 3°F. Thus, the cladding temperatures reported in BAW-10103 are essentially unaffected by the proposed change.

Very truly yours,

A handwritten signature in cursive that reads "William O. Parker, Jr." with a flourish at the end.

William O. Parker, Jr.

MST:ge

771330006