JAN 6 1972

Docket No. 50-269

FILES

A hand calculation was made of the leak rate for Oconee 1 using data from the October 29, 1971 report "Integrated Leak Rate Test of the Reactor Containment Building."

Two cases were calculated:

Time		2:15 to 12:15 (Full 16 hr. interval)
Initial Pressure		73.375829 psia (uncorrected)
Initial Temperature	-	85.341498 F
Final Pressure	-	73.172256 psia (uncorrected)
Final Temperature	-	83.855699 F
Vapor Pressure	-	1 psia
		2월 27일 전쟁은 일종은 소란은 여러운 전쟁을 다 했다.

L = .012

Time		7:15 to 12:15 (Last 5 hr. interval)	
Initial Pressure	-	73.249397 (uncorrected)	
Initial Temperature		84.388097 F	
Final Pressure	-	73.172256 psia (uncorrected)	
Final Temperature		83.855699°F	
Vapor Pressure	-	1 psia	
vapor riessure			

L = .045

The difference in the calculated i sults not withstanding arithmetic precision indicates that early biases in measured data influence the leak rate on the low side (for the Oconee 1 leak rate test). However, over the second half of the 10 hr. test period the measured leak rate of .045 compares favorably with the predicted .0474 value.

> Irving A. Peltier PWR-4 Division of Reactor Licensing

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