

NRC CONTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 5022

FILE: _____

FROM: Carolina Power & Light Co. Raleigh, N.C. J.A. Jones		DATE OF DOC 5-5-75	DATE REC'D 5-7-75	LTR xxx	TWX	RPT	OTHER
TO: Mr. Benard C. Rusche		ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxxxx</u> SENT LOCAL PDR <u>xxx</u>		
CLASS	UNCLASS xxxxx	PROP INFO	INPUT	NO CYS REC'D 25	DOCKET NO: <u>50-400</u> , 401, 402, and 403		
DESCRIPTION: Ltr notarized 5-5-75 furn their position on the "Preoperational Testing of Emergency Core Cooling Systems for Pressurized Water Reactors"				ENCLOSURES: <i>ACTIVATION REPORT</i>			
PLANT NAME: Shearon Harris 1-4				FOR ACTION/INFORMATION 5-8-75 JGB			

FOR ACTION/INFORMATION

<input checked="" type="checkbox"/> BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (I) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPRIS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	LICENSING PROJECT MANAGER W/ Copies

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	TECH REVIEW	DENTON	LIC ASST.	A/T IND.
<input checked="" type="checkbox"/> NRC PDR	SCHROEDER	GRIMES	R. DIGGS (L)	BRAITMAN
<input checked="" type="checkbox"/> OGC, ROOM P-506A	MACCARY	GAMMILL	H. GEARIN (L)	SALTZMAN
<input checked="" type="checkbox"/> GOSSICK/STAFF	KNIGHT	KASTNER	E. GOULBOURNE (L)	MELTZ
<input checked="" type="checkbox"/> CASE	PAWLICKI	BALLARD	P. KREUTZER (E)	
<input checked="" type="checkbox"/> GIAMBUSSO	SHAO	SPANGLER	J. LEE (L)	PLANS
<input checked="" type="checkbox"/> BOYD	<input checked="" type="checkbox"/> STELLO		<input checked="" type="checkbox"/> M. MAIGRET (L) <i>etc</i>	MCDONALD
<input checked="" type="checkbox"/> MOORE (L)	HOUSTON	ENVIRO	S. REED (E)	CHAPMAN
<input checked="" type="checkbox"/> DEYOUNG (L)	<input checked="" type="checkbox"/> NOVAK - 3	MULLER	S. SERVICE (L)	DUBE (Ltr)
<input checked="" type="checkbox"/> SKOVHOLT (L)	<input checked="" type="checkbox"/> ROSS	DICKER	S. SHEPPARD (L)	E. COUPE
<input checked="" type="checkbox"/> GOLLER (L) (Ltr)	IPPOLITO	KNIGHTON	M. SLATER (E)	PETERSON
<input checked="" type="checkbox"/> P. COLLINS	TEDESCO	YOUNGBLOOD	H. SMITH (L)	HARTFIELD (2)
<input checked="" type="checkbox"/> DENISE	J. COLLINS	BEGAN	S. TEETS (L)	KLECKER
<input checked="" type="checkbox"/> REG OPR	<input checked="" type="checkbox"/> KAINAS	<input checked="" type="checkbox"/> PROJECT LDR	G. WILLIAMS (E)	EISENHUT
<input checked="" type="checkbox"/> FILE & REGION (2)	BENAROYA	<i>U. Ross</i>	V. WILSON (L)	WIGGINTON
<input checked="" type="checkbox"/> MPIC	VOLLMER	HARLESS	R. INGRAM (L)	<i>VARGA</i>
<input checked="" type="checkbox"/> STEELE				<i>LB</i>

EXTERNAL DISTRIBUTION

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|--|--------------------------------|---|
| <input checked="" type="checkbox"/> LOCAL PDR Raleigh, N.C.. | | 1 - PDR-SAN/LA/NY |
| <input checked="" type="checkbox"/> TIC (ABERNATHY) (1)(2)(10) | - NATIONAL LABS | 1 - BROOKHAVEN NAT LAB |
| <input checked="" type="checkbox"/> NSIC (BUCHANAN) | 1 - W. PENNINGTON, Rm E-201 GT | 1 - G. ULRIKSON, ORNL |
| 1 - ASLB | 1 - CONSULTANTS | 1 - AGMED (RUTH GUSSMAN)
Rm B-127 GT |
| 1 - Newton Anderson | NEWMARK/BLUME/AGBABIAN | 1 - J. D. RUNKLES, Rm E-201
GT |
| <i>14</i> - ACRS SENT | | |
| <i>to Lic Asst</i> | | |

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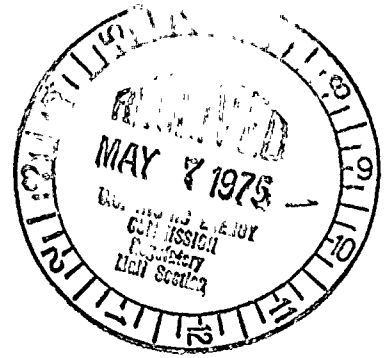
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Carolina Power & Light Company

May 5, 1975



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

~~Regulatory~~ File Cy.

RE: DOCKET NOS. 50-400, 50-401, 50-402 and 50-403

Dear Mr. Rusche:

On March 24, 1975, Carolina Power & Light Company submitted Amendment Number 41 to the Shearon Harris Nuclear Power Plant PSAR. In this amendment, we provided our company positions on regulatory guides issued through July 1974. We also committed to submit our position on Regulatory Guide 1.79, "Preoperational Testing of Emergency Core Cooling Systems for Pressurized Water Reactors," as soon as Ebasco Services and Westinghouse had completed their evaluation. Our position is as follows:

The SHNPP Project will comply with Regulatory Guide 1.79 (6-74), "Preoperational Testing of Emergency Core Cooling Systems for Pressurized Water Reactors," with the following clarifications/exceptions:

Reg. Position

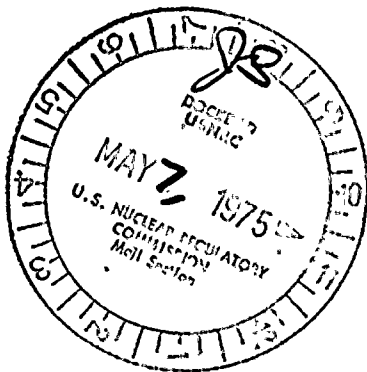
Clarifications/Exceptions

C.3.a.(2)

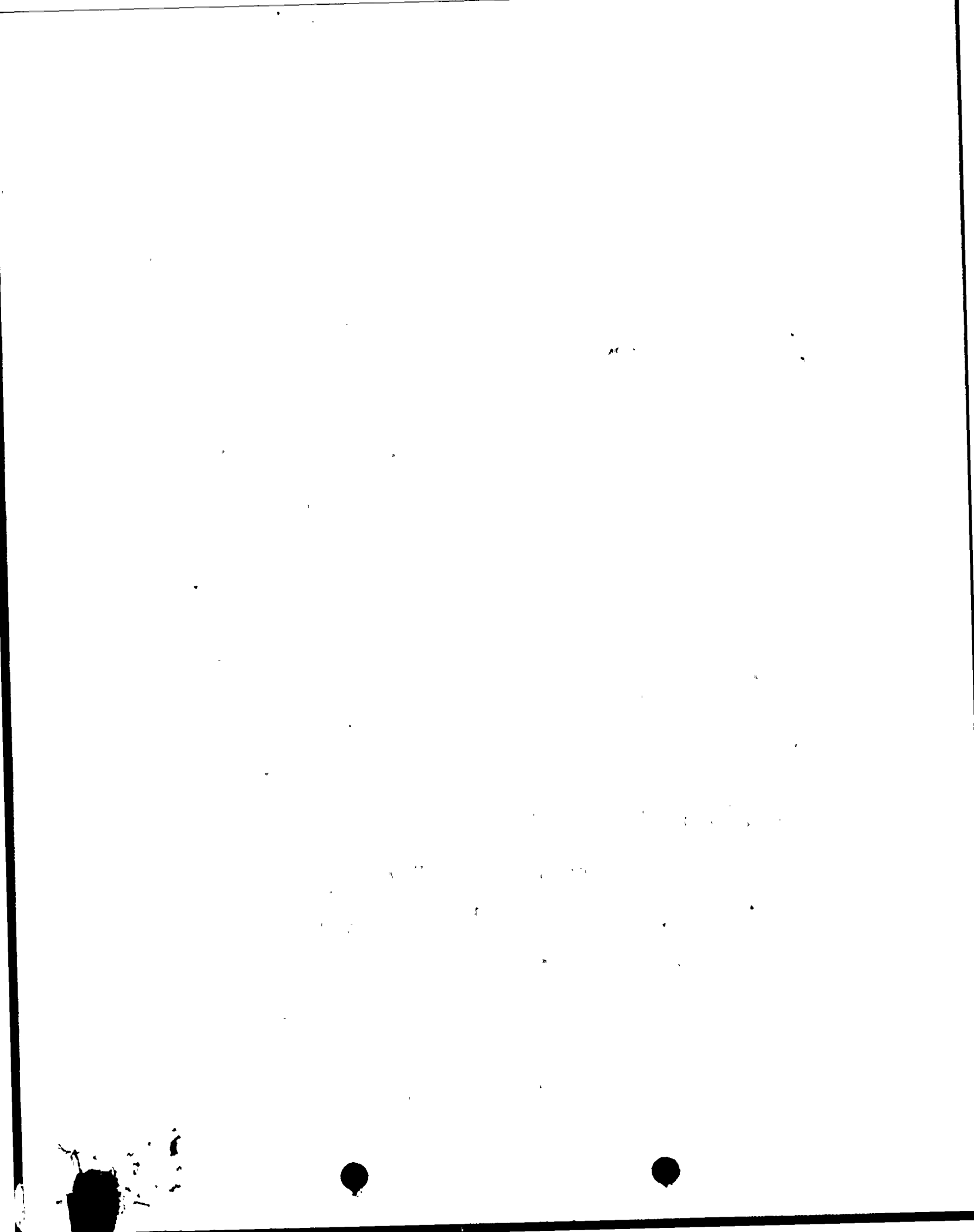
The capability of the HPSI to deliver as required under accident conditions will be verified by analysis based on as-built HPSI pump and system head-capacity curves. Operation of the check valves and the auxiliary feedwater system will be demonstrated through testing.

C.3.b.(2)

The capability to realign valves for recirculation will be tested for all SHNPP units. Tests of the system to demonstrate vortex control in the RHR sump, acceptable pressure drops across screening and suction lines and valves, and adequate NPSH will be conducted for Unit 1 only and referenced for the remaining units. However, if LPSI recirculation tests are conducted in other plants with similar sumps and/or RHR systems prior to SHNPP preoperational testing, those tests may be referenced in lieu of testing SHNPP Unit 1.



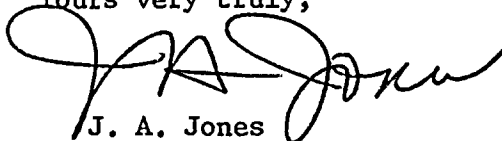
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- C.3.c.(1) Blowdown will be into the open reactor vessel at ambient pressure. This condition will allow the rapid accumulator dump which is necessary for evaluation of the system performance. Proper initiation of accumulator dump will be demonstrated by testing the accumulator check valves as described in Regulatory Position C.3.c.(3).
- C.3.c.(3) Initial RCS pressure for this test will be greater than the normal accumulator precharge pressure but less than the normal RCS operating pressure.
- C.4.b.(3) Maximum expected temperature is taken to mean the normal operating temperature.

Carolina Power & Light Company will change its PSAR to reflect the above regulatory guide position in its next amendment.

Yours very truly,



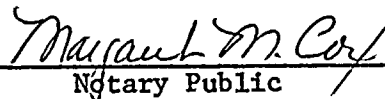
J. A. Jones
Executive Vice President
Engineering, Construction & Operation

JAJ/nc/apl



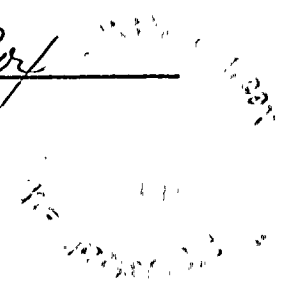
J. L. Lancaster, Jr.
Secretary

Sworn to and subscribed before me this 5th day of May, 1975.


Notary Public

My Commission Expires:

July 4, 1975



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