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 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina
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 ZIMMERMAN, S.R. Carolina Power & Light Co.
 RECIPIENT NAME: RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards addl info re condenser discharge during startup (hogging) operations in response to SER, Open Item 9.

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NOTES:

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	IE/DEPER/EPB 36	1 1	IE/DEPER/IRB 35	1 1
	IE/DGASIP/QAB21	1 1	NRR ROE, M.L	1 1
	NRR/DE/AEAB	1 0	NRR/DE/CEB 11	1 1
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	NRR/DHFS/LQB 32	1 1	NRR/DHFS/PSRB	1 1
	NRR/DL/SSPB	1 0	NRR/DSI/AEB 26	1 1
	NRR/DSI/ASB	1 1	NRR/DSI/CPB 10	1 1
	NRR/DSI/CSB 09	1 1	NRR/DSI/ICSB 16	1 1
	NRR/DSI/METB 12	1 1	NRR/DSI/PSB 19	1 1
	NRR/DSI/RAB 22	1 1	NRR/DSI/RSB 23	1 1
	<u>REG FILE</u> 04	1 1	RGN2	3 3
	RM/DDAMI/MIB	1 0		
EXTERNAL:	BNL (AMDTs ONLY)	1 1	DMB/DSS (AMDTs)	1 1
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	NRC PDR 02	1 1	NSIC 05	1 1
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Section	Range	Township	County	State	Acres	Owner
1	10	10	10	10	10	10
2	10	10	10	10	10	10
3	10	10	10	10	10	10
4	10	10	10	10	10	10
5	10	10	10	10	10	10
6	10	10	10	10	10	10
7	10	10	10	10	10	10
8	10	10	10	10	10	10
9	10	10	10	10	10	10
10	10	10	10	10	10	10
11	10	10	10	10	10	10
12	10	10	10	10	10	10
13	10	10	10	10	10	10
14	10	10	10	10	10	10
15	10	10	10	10	10	10
16	10	10	10	10	10	10
17	10	10	10	10	10	10
18	10	10	10	10	10	10
19	10	10	10	10	10	10
20	10	10	10	10	10	10



Carolina Power & Light Company

DEC 13 1984

SERIAL: NLS-84-482

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
CONDENSER DISCHARGE DURING
STARTUP (HOGGING) OPERATIONS

Dear Mr. Denton:

Carolina Power & Light Company hereby submits additional information concerning condenser discharge during startup (hogging) operations. This information is in response to Safety Evaluation Report (SER) Open Item No. 9 from the Meteorology and Effluent Treatment Branch. This submittal supplements our previous submittal of July 9, 1984 (NLS-84-308).

If you have any questions, please contact me at your convenience.

Yours very truly,

S. K. Zimmerman
Manager

Nuclear Licensing Section

GAS/pgp (866GAS)
Attachment

- | | |
|---------------------------------|----------------------------|
| cc: Mr. B. C. Buckley (NRC) | Mr. Wells Eddleman |
| Mr. R. Fell (NRC) | Mr. John D. Runkle |
| Mr. G. F. Maxwell (NRC-SHNPP) | Dr. Richard D. Wilson |
| Mr. J. P. O'Reilly (NRC-RII) | Mr. G. O. Bright (ASLB) |
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| Mr. Daniel F. Read (CHANGE/ELP) | Mr. J. L. Kelley (ASLB) |
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Shearon Harris Nuclear Power Plant
Safety Evaluation Report Open Item No. 9
Condenser Discharge During Startup (Hogging) Operations

Open Item:

It is the staff's position that the release of the off-gas during hogging operations must be continuously sampled for radioiodines and particulates and continuously monitored for noble gases as noted in Table 1 of SRP 11.5 (SER Section 10.4.2).

Response:

If the reactor has been shutdown for less than 30 days, the condenser vacuum discharge during initial hogging operations at plant startup and prior to turbine operation will be routed via line 7AE-12-9-1 directly to the Turbine Building Vent Stack as shown on FSAR Figures 1.2.2-72, 9.4.4-1, and 10.1.0-4. Using this release path, the condenser vacuum pump discharge will have its effluent monitored by noble gas monitor REM-1TV-3534, shown on FSAR Figure 9.4.4-1 and sampled and monitored by the Turbine Building vent stack monitor described in FSAR Sections 11.5.2.5.11 and 11.5.2.7.2.18. The condenser vacuum pumps discharge radiation monitor, REM-1TV-3534 upon exceeding preset limits will alarm and alert the operators to an off-normal condition. The operator can actuate valving that will reroute the condenser vacuum pumps discharge and energize the condenser vacuum pump effluent treatment system described in FSAR Section 9.4.4.

If the reactor has been shutdown for greater than 30 days, the condenser vacuum pump discharge during initial hogging operations at plant startup and prior to turbine operation may be routed via valve 7AE-B9-1 and line number 7AE-12-19-1 directly to the Turbine Building area. This discharge will be monitored by the noble gas monitor, REM 1TV-3534, in line number 7AE-12-9-1 because valve 7AE-B3-1 is a normally open butterfly valve creating dual exit paths for the discharge.

Attached are draft pages for changes to FSAR Sections 10.4.2 and 11.5. These FSAR sections will be formally revised in a future amendment to incorporate these changes. CP&L considers this item closed.



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