

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Virgil C. Summer Nuclear Station

DOCKET NUMBER (2)

0 5 0 0 0

PAGE 13

1 OF 0 2

TITLE (4)

Actuation of Emergency Safety Feature Load Sequencer (ESFLS)

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	3	0	1	8	4	8	4	0	1	6	0 0 0 4 0 3 8 4
0 5 0 0 0											

OPERATING MODE (9)

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

POWER LEVEL (10) 1 0 0	20.402(b)	20.406(a)	<input checked="" type="checkbox"/> 80.73(a)(2)(iv)	73.71(b)
	20.406(a)(1)(i)	80.36(a)(1)	80.73(a)(2)(v)	73.71(a)
	20.406(a)(1)(ii)	80.36(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
	20.406(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME  
A. R. Koon, Jr., Associate Manager, Regulatory Compliance

TELEPHONE NUMBER

AREA CODE

8 0 3

3 4 5 - 5 2 0 9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	J E			Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

At 1935 hours on March 1, 1984, following a maintenance outage, Diesel Generator "A" was started. When the Diesel Breaker shut, ESFLS started to sequence. The undervoltage relays and "A" ESFLS were reset and Diesel Generator "A" secured. A second diesel start was initiated and again the ESFLS sequenced. After allowing the diesel temperatures to stabilize, the Licensee placed the ESFLS "Auto Test Circuit" in the off position and initiated another start. No activation of the ESFLS was experienced. Immediate corrective action was to leave the "Auto Test Circuit" off and initiate a station order to test the Sequencer once per eight (8) hours until repaired. Repairs were completed, the system tested, and declared operable at 2300 hours, on March 3, 1984. The cause of the failure was due to the failure of a multivibration electronic card.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  Virgil C. Summer Nuclear Station	DOCKET NUMBER (2)  0 5 0 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	- 0 1 6	- 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At 1935 hours on March 1, 1984, following maintenance, Diesel Generator (DG) "A" was started. When the Diesel Breaker shut, the Emergency Safety Feature Load Sequencer (ESFLS) started to sequence. The bus was not stripped of any loads; however, the Sequencer stepped through the automatic sequence starting the following pumps: "A" Motor Driven Emergency Feedwater, "A" Service Water Booster, "A" Component Cooling, and "A" Residual Heat Removal. "A" Service Water Screen was also started, and the Control Room ventilation transferred to the Emergency Mode.

The undervoltage relays and "A" ESFLS were reset and the diesel secured. A second diesel start was initiated, and again the Licensee experienced a blackout sequence as described above. The diesel temperatures were allowed to stabilize, the Sequencer "Auto Test Circuit" was placed in the off position and the diesel was restarted without a blackout sequence.

Immediate corrective actions taken were to leave the Auto Test Circuit in the off position and to initiate a Station Order to test the Sequencer every eight (8) hours until the completion of repairs.

I&C personnel immediately started investigation into the cause of this discrepancy. The problem was found to be a faulty one-shot multivibrator electronic card which allowed the Sequencer to energize upon closure of the DG Breaker.

There were no adverse consequences because of this event. The Sequencer continued to function until it was removed from service for repair.

This thirty-day report was due to be reported on March 31, 1984. Due to a misinterpretation of reporting requirement 50.73(a)(2)(iv), this LER is being submitted subsequent to the due date.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

O. W. DIXON, JR.  
VICE PRESIDENT  
NUCLEAR OPERATIONS

April 3, 1984

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

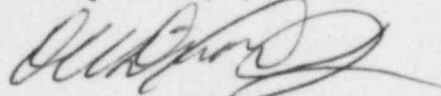
SUBJECT: Virgil C. Summer Nuclear Station  
Docket No. 50/395  
Operating License No. NPF-12  
LER 84-016

Dear Sir:

Please find attached Licensee Event Report #84-016 for the Virgil C. Summer Nuclear Station. This Report is submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(iv).

Should there be any questions, please call us at your convenience.

Very truly yours,



O. W. Dixon, Jr.

RJB:OWD/dwf  
Attachment

cc: V. C. Summer  
T. C. Nichols, Jr./O. W. Dixon, Jr.  
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11