

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Virgil C. Summer Nuclear Station										DOCKET NUMBER (2) 0 5 0 0 0 3 9 5 1					PAGE (3) 1 OF 2							
TITLE (4) Diesel Generator Start on Bus Undervoltage																						
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	2	9	8	4	8	4	0	1	7	0	0	0	4	1	2	8	4	0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																				
5		20.402(b)				20.406(e)				XX 80.73(a)(2)(iv)				73.71(b)								
POWER LEVEL (10)		0 0 0				20.406(a)(1)(i)				80.38(a)(1)				80.73(a)(2)(v)			73.71(c)					
		20.406(a)(1)(ii)				80.38(a)(2)				80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)								
		20.406(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)												
		20.406(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(vii)(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, Asso. 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												
A	E J			N																		
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR						
YES (If yes, complete EXPECTED SUBMISSION DATE):												X X X X NO										

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

At 1750 hours on March 29, 1984, the plant was shut down for surveillance testing. Electrical Maintenance personnel were attempting to isolate a ground fault on train "A" battery bus 1HA (train "A" vital 125 V.D.C. bus) by selectively cycling breakers. The D. C. control power was momentarily interrupted to safeguards bus 1DA undervoltage relays. The interruption started the "A" diesel generator on bus undervoltage and actuated the blackout load sequencer which de-energized 1DA for less than ten (10) seconds. The sequencer functioned properly, and the diesel generator energized the bus. The normal power source to the bus was restored in approximately ten (10) minutes. The cause of the event is due to personnel error. Maintenance personnel were aware of interrupting the D. C. control power to 1DA but were unaware that actuation of the undervoltage relay scheme would result.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

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 7	- 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

At 1750 hours on March 29, 1984, the plant was shut down for surveillance testing. Electrical Maintenance personnel were attempting to isolate a ground fault on the train "A" battery bus LHA (train "A" vital 125 V.D.C. bus) by selectively cycling breakers. When the number one breaker in DPN LHA1 was cycled, the D.C. control power for LDA undervoltage relaying was momentarily interrupted. The interruption started the "A" diesel generator and actuated the blackout sequencer which de-energized LDA for less than ten (10) seconds. This is the normal time for the diesel to achieve rated speed and energize the bus. During the event, the "B" diesel generator was out of service for maintenance which required LDA to be operable to meet the power source technical specification requirements for Mode 5. The normal power to LDA was restored in approximately ten (10) minutes. The cause of the event is contributed to personnel error. Maintenance personnel were aware that cycling the breaker would interrupt the D.C. control power to LDA but were unaware that actuation of the undervoltage scheme would result. As a measure to prevent recurrence, warning labels have been installed on the circuits feeding the "A" and "B" train undervoltage control circuits. Additionally, the details of this report will be discussed with the Instrumentation and Control, Electrical, and Operations groups in order to increase their awareness in this area. This action is expected to be completed by April 30, 1984.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

April 16, 1984

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

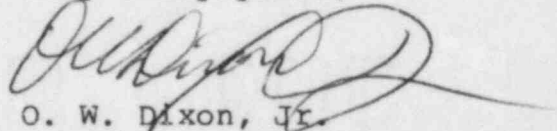
SUBJECT: Virgil C. Summer Nuclear Station
Locket No. 50/395
Operating License No. NPF-12
LER 84-017

Dear Sir:

Please find attached Licensee Event Report #84-017 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.

HCF:OWD/dwf
Attachment

cc: V. C. Summer
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