

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Virgil C. Summer Nuclear Station												DOCKET NUMBER (2) 0 5 0 0 0 3 9 5				PAGE (3) 1 OF 0 2	
TITLE (4) Inoperable Carbon Dioxide System																	
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)							
MONTH	DAY	YEAR	YEAR	SEQUENT AL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)				
0 7	2 9	8 5	8 5	0 1 8	0 0	0 8	2 3	8 5					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)															
1		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)			
POWER LEVEL (10)		20.405(a)(1)(i)				50.38(e)(1)				50.73(a)(2)(v)				73.71(c)			
1 0 0		20.405(a)(1)(ii)				50.38(e)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.405(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(viii)(A)							
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)							
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)							
LICENSEE CONTACT FOR THIS LER (12)																	
NAME A. R. Koon, Jr., Assoc. Mgr., Regulatory Compliance												TELEPHONE NUMBER AREA CODE 8 0 3 3 4 1 5 1-1 5 2 1 0 1 9					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																	
CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS							
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR	
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO					
ABSTRACT (Limit to 1400 spaces, i.e. approximately fifteen single-space typewritten lines) (16)																	
<p>On July 29, 1985 at 1100 hours, during a review of the Tag-Out Log, it was noted that the circuit breakers associated with the Relay Room fire dampers electro-thermal links (ETL) were danger tagged open. The system had previously been declared operable following the testing of ETLs at 1545 hours, July 17, 1985. The Relay Room CO₂ System was non-functional for 11 days, 19 hours, 34 minutes, and compensatory action was not taken as required by the Technical Specifications.</p> <p>This event is attributed to two causes: (1) an inadequate test procedure and (2) failure to follow an administrative procedure. The test procedure did not require verification of electrical alignment prior to declaring this system operable. This procedure will be revised to verify complete system alignment prior to declaring the system operable. This action will be completed prior to the next performance of the test. Also identified was a failure by the personnel writing the tagout to record the tagout number on the associated Maintenance Work Request and Removal and Restoration form per the requirements of SAP-201, "Danger Tagging." This error will be discussed with the appropriate personnel in weekly safety and supervisor meetings.</p>																	
8508300178 850823 PDR ADOCK 05000395 S PDR																	

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Virgil C. Summer Nuclear Station	0 5 0 0 0 3 9 5	8 5	- 0 1 8	- 0 0	0 2	OF	0 2

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

On July 29, 1985 at 1100 hours, during a review of the Tag-Out Log, it was noted that the circuit breakers associated with the Relay Room fire dampers electro-thermal links (ETL) were danger tagged open. The circuit breakers had been opened July 11, 1985 at 1050 hours to facilitate replacement of the ETLs, which had been energized and melted during a surveillance test of the Relay Room Carbon Dioxide (CO₂) System. The system had been declared operable following surveillance testing at 1545 hours, July 17, 1985. As a result of the ETLs being inoperable, the Relay Room CO₂ System was non-functional for 11 days, 19 hours, 34 minutes, and compensatory action was not taken as required by the Technical Specifications. Immediate action was taken to remove the tags and to restore the circuitry to an operable status.

The consequences of this event would have been the failure of the CO₂ System to suppress a fire in the affected area. The ETLs provide for automatic closure of the supply and exhaust dampers in the Relay Room Ventilation System on actuation of the CO₂ System. With the ETLs inoperable, any discharge of CO₂ into the area would have been diluted and exhausted due to the ventilation dampers remaining open. Ionization detectors in the area remained operable and would have alarmed in the Control Room upon detection of a fire. Operable fire suppression equipment in the immediate area consisted of fire extinguishers and an interior manual hose.

Separation of redundant instrumentation and relays within the relay room is accomplished by locating redundant Class 1E instrumentation and relays inside separate, enclosed metal cabinets, the interior of which is painted with fire retardant paint. The total fire resistant rating of the barriers between cabinets is approximately forty (40) minutes.

This event is attributed to two causes: (1) an inadequate test procedure and (2) failure to follow an administrative procedure. The test procedure did not require verification of electrical alignment prior to declaring this system operable. This procedure will be revised to verify complete system alignment prior to declaring the system operable. This action will be completed prior to the next performance of the test. Also identified was a failure by the personnel writing the tagout to record the tagout number on the associated Maintenance Work Request and Removal and Restoration form per the requirements of SAP-201, "Danger Tagging." This error will be discussed with the appropriate personnel in weekly safety and supervisor meetings.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

August 23, 1985

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

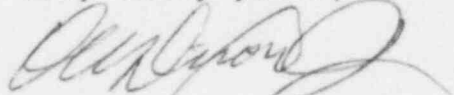
SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
LER 85-018

Dear Sir:

Attached is Licensee Event Report #85-018 for the Virgil C. Summer Nuclear Station. This report is submitted pursuant to the requirements of 10CFR50.73(a)(2)(i).

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

Very truly yours,



O. W. Dixon, Jr.

RJB/OWD:lcd
Attachment

cc: V. C. Summer
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