

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPL. EXT CODE		COMP. SUBCODE		VALVE SUBCODE											
0	9	M	B	11	X	12	Z	13	V	A	L	V	O	P	14	J	15	Z	16		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
(17) LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.											
8		3		9		8		0		3		0									
21		22		23		24		25		26		27									
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER					
18		X		19		Z		20		Z		21		0		0		0		5	
33		34		35		36		37		38		39		40		41		42		43	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The valve opened due to a pressure surge when the electric fire pump started and  
1 1 caused the valve's drop-weight to be released. All affected charcoal, HEPA, and  
1 2 roughing filters were replaced. The appropriate operational test was satisfactorily  
1 3 completed and the plenum was returned to OPERABLE status on August 31, 1983, at  
1 4 2200 hours. Licensee's investigation will determine further corrective action.

ACTIVITY CONTENT RELEASED OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE				
<table border="1"> <tr> <td>3</td> <td>33</td> <td>2</td> <td>24</td> </tr> </table>	3	33	2	24	N/A	N/A
3	33	2	24			

PERSONNEL EXPOSURES			
NUMBER	TYPE	DESCRIPTION	39
01	01	22	N/A
02	01	23	
03	01	24	
04	01	25	
05	01	26	
06	01	27	
07	01	28	
08	01	29	
09	01	30	
10	01	31	
11	01	32	
12	01	33	
13	01	34	
14	01	35	
15	01	36	
16	01	37	
17	01	38	
18	01	39	
19	01	40	
20	01	41	
21	01	42	
22	01	43	
23	01	44	
24	01	45	
25	01	46	
26	01	47	
27	01	48	
28	01	49	
29	01	50	
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33	01	54	
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40	01	61	
41	01	62	
42	01	63	
43	01	64	
44	01	65	
45	01	66	
46	01	67	
47	01	68	
48	01	69	
49	01	70	
50	01	71	
51	01	72	
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53	01	74	
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66	01	87	
67	01	88	
68	01	89	
69	01	90	
70	01	91	
71	01	92	
72	01	93	
73	01	94	
74	01	95	
75	01	96	
76	01	97	
77	01	98	
78	01	99	
79	01	100	

PERSONNEL INJURIES		(41)
NUMBER	DESCRIPTION	
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
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93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

LOSS OF OR DAMAGE TO FACILITY		(43)	N/A	8309210350 830914	IE22
TYPE	DESCRIPTION				
(43)					

ISSUED PUBLICITY DESCRIPTION (45) N/A S PDR NRC USE ONLY

NAME OF PREPARER

L. E. Kolb

PHONE \_\_\_\_\_

(803) 345-5209

NRC USE ONLY

Mr. James P. O'Reilly  
LER No. 83-098  
Page Two  
September 14, 1983

#### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

On August 16, 1983, at 0920 hours, with the Plant in Mode 1, the deluge valve for the Auxiliary Building Charcoal Exhaust Filter Plenum E (XAA-0040B) tripped open. This occurred during the performance of a surveillance test on the Auxiliary Building Preaction Sprinkler System.

There were no adverse consequences as a result of this event because the Plant Vent Radiation Monitors (RM-A3 and RM-A13) were OPERABLE and would have alarmed if there had been a release. The Licensee was in compliance with Action Statement (a) of Technical Specification 3.11.2.4, "Gaseous Radwaste Treatment."

#### CAUSE AND CORRECTIVE ACTIONS

The Plenum Deluge Valve is normally operated manually from the Control Room HVAC Panel or locally. Neither of these were performed. The valve opened due to a pressure surge when the electric fire pump started and caused the valve's drop-weight to be released from the electro-magnetic latch. This has not occurred during any previous performance of this STP and could not be duplicated on subsequent attempts.

As a result of the event, Health Physics checked the affected areas for contamination. Additionally, all affected charcoal, HEPA filters and roughing filters were replaced. The appropriate operational test was satisfactorily completed and the plenum was returned to OPERABLE status on August 31, 1983, at 2200 hours.

An engineering evaluation is being performed to investigate the cause of the pressure surge. The results of this evaluation will determine necessary further corrective action to prevent recurrence.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

83 SEP 19 P 1:13  
September 14, 1983

Mr. James P. O'Reilly  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II, Suite 2900  
101 Marietta Street, N.W.  
Atlanta, Georgia 30303

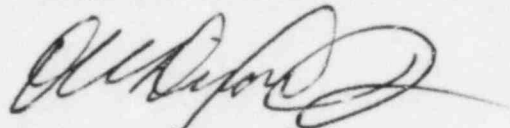
SUBJECT: Virgil C. Summer Nuclear Station  
Docket No. 50/395  
Operating License No. NPF-12  
Thirty Day Written Report  
LER 83-098

Dear Mr. O'Reilly:

Please find attached Licensee Event Report #83-098 for Virgil C. Summer Nuclear Station. This Thirty Day Report is required by Technical Specification 6.9.1.13.(b) as a result of entry into Action Statement (a) of Technical Specification 3.11.2.4, "Gaseous Radwaste Treatment," on August 16, 1983.

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

Very truly yours,



O. W. Dixon, Jr.

LEK:OWD/mac/fjc  
Attachment

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