

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) **Defective HVAC Unit**

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	4	1	28	4	8	4	0	3	0	0	0	0
0	4	1	28	4	8	4	0	0	0	8	1	0

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

OPERATING MODE (9) 1	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
POWER LEVEL (10) 1 0 0	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input checked="" type="checkbox"/> 50.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	10 CFR 21
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME **Nancy E. Clark, Manager, Nuclear Licensing** TELEPHONE NUMBER **8 0 3 7 4 8 - 3 3 9 0**

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
B	V	F	A	C	U	B	0	3	8	N

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

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

During the week of April 9, 1984, with the Plant in a maintenance outage, an inspection of the Bahnson supplied heating, ventilating and air conditioning (HVAC) units was performed to verify that the units had been fabricated in accordance with design requirements established by South Carolina Electric and Gas Company (SCE&G). On April 12, 1984, unit XAH-8-VL, Engineered Safety Feature (ESF) 1DB Cooling Unit, was found to have been supplied without a coil V-brace structural member. The coil V-brace is considered to be an integral part of the HVAC unit structure.

SCE&G restored the unit to its original design condition on April 18, 1984, by installing the coil V-brace in accordance with Bahnson Company instructions. The HVAC unit XAH-8-VL is now in compliance with its previously analyzed design basis. This is considered a final report on this matter.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Virgil C. Summer Nuclear Station	DOCKET NUMBER (2) 0500039584	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	030	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 386A's) (17)

As a result of IEN 84-30 and NRC Audit Report 50-395/84-06, South Carolina Electric and Gas Company (SCE&G) committed to inspect the as-built bolting and welding configurations of all Bahnson, Flakt Products, Inc., 200 Lowery Avenue, Winston-Salem, N. C. 27101, supplied safety related air handling units (AHU) installed at the Virgil C. Summer Nuclear Station. During the week of 04/09/84, inspections were performed on all Bahnson supplied HVAC units resulting in all units being acceptable with the exception of unit XAH-8-VL. On 04/12/84 it was discovered that Engineered Safety Features (ESF) LDB Cooling Unit, HVAC unit XAH-8-VL, was supplied without a coil V-brace support, which is considered to be an integral structural component of the HVAC unit. XAH-8-VL could have potentially failed during normal operation or a design basis event without the coil V-brace being installed. The failure of the unit could degrade the function of the chilled water system which supplies cooling water to several ESF pumps in addition to the LDB switchgear room.

The coil V-brace was installed on 04/18/84 by SCE&G per instructions supplied by Bahnson and a consulting firm, Corporate Consulting and Development Company, LTD.

In conformance with reporting requirements, SCE&G recommends that other purchasers or Licensees that have installed Bahnson supplied EVAC units inspect the AHU for missing structural members.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

August 10, 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 84-030
P-21-84-002

Dear Sir:

Please find attached Licensee Event Report #84-030 for the Virgil C. Summer Nuclear Station. This LER addresses the recent failure of Bahnson, Flakt Products, Inc. supplied HVAC Air Handling Units. This Report should be considered a Final Report and no other action will be taken by the Licensee.

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

Very truly yours,



O. W. Dixon, Jr.

MDI:OWD/dwf
Attachment

cc: V. C. Summer	C. L. Ligon (NSRC)
T. C. Nichols, Jr./O. W. Dixon, Jr.	K. E. Nodland
E. H. Crews, Jr.	R. A. Stough
E. C. Roberts	G. Percival
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