

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

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REPORT SOURCE

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DOCKET NUMBER

EVENT DATE

REPORT DATE

02 At 2100 hours on May 6, 1983, electrical power was lost to Train "B" of the
03 Radiation Monitoring System (RMS). The Plant was in Mode 5 at the time of the
04 occurrence, and there were no releases in progress. The Control Room Supply Air
05 Atmospheric Radiation Monitor (RM-A1) was the only affected monitor required to
06 be operable at this time. There were no adverse consequences resulting from this
event. Power was restored by 2130 hours on May 6, 1983.

0 8		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE			
0 9		B A		E		A		E L E C T R I C				Z		Z			
7 8		9 10		11 12		13 14		15 16 17 18				19 20		21 22			
17 LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE				REPORT TYPE		REVISION NO.					
8 3		8 3		0 3 9		/ 9 3				L		1					
21 22		23 24		25 26		27 28 29				30 31		32					
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
A		F		Z		Z		0 0 0 0		Y		N		A		N 3 0 5	
18 19		20 21		22 23		24 25		26 27		28 29		30 31		32 33		34 35	

1 0 The main power supply fuse was blown when the extender module was installed for a

1 1 calibration on RM-A2. The extender module had a short to ground on power lead at

1 2 the plug assembly. Power was returned to the train when the fuse was replaced.

1 3 The RMS will have additional fuse protection added to prevent a single fault from

1 4 de-energizing a train.

FACILITY STATUS				% POWER			OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1	5	G	(28)	0	0	0	(29) N/A	A (31)	Maintenance Observation

ACTIVITY		CONTENT		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
RELEASED		OF RELEASE					
1	6	Z	(33)	Z	(34)	N/A	N/A

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	N/A	(39)

PERSONNEL INJURIES		NUMBER		DESCRIPTION		(41)	
1	8	0	0	0	(40)	N/A	<i>522</i>

1		9		Z		(42)		DESCRIPTION		(43)	
										N/A	

830/220252 830/12
PDR ADCK 05000395
S PDR

NAME OF PREPARER

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

83 JUL 18 AM 11:39

July 12, 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

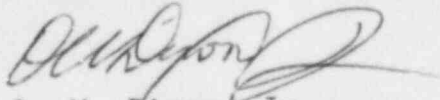
SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Thirty Day Written Report
LER 83-039, Revision 1

Dear Mr. O'Reilly:

Please find attached Revision 1 of Licensee Event Report #83-039 for Virgil C. Summer Nuclear Station. This Thirty Day Report was previously submitted on June 1, 1983, in compliance with Technical Specification 6.9.1.13.(b) as a result of entry into Action Statement 29 of Technical Specification 3.3.3.1, "Radiation Monitoring Instrumentation," on May 6, 1983. This revision corrects a typographical error on Item 17 of the Licensee Event Report form.

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

Very truly yours,


O. W. Dixon, Jr.

CJM:OWD/mac
Attachment

cc: V. C. Summer
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Mr. James P. O'Reilly
LER No. 83-039, Revision 1
Page Two
July 12, 1983

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

At 2100 hours on May 6, 1983, the electrical power supply was lost for Train "B" of the Radiation Monitoring System (RMS). The event occurred during the performance of a Channel Calibration of Reactor Building Sample Line Atmospheric Monitor RM-A2. The Instrumentation and Control Technician performing the calibration had removed the ratemeter and was installing an extender module when a short circuit to ground occurred.

The Plant was in Mode 5 at the time of occurrence, and there were no releases in progress. Control Room Supply Air Atmospheric Radiation Monitor RM-A1 was the only affected monitor required to be operable, and Action Statement 29 of Technical Specification 3.3.3.1 applied.

There were no adverse consequences resulting from this event. Power was restored to Train "B" of the RMS by 2130 hours on May 6, 1983.

CAUSE AND CORRECTIVE ACTIONS

The loss of power is attributed to a grounded internal power lead in the extender module used during calibration of the radiation monitors. One of the internal wires of the test fixture which is not used had come in contact with the power lead at the plug assembly. The extra wires in the fixture have been removed to preclude a recurrence of this event. The grounded lead caused the main power supply fuse for the train to blow.

The main power supply fuse was replaced and Train "B" of the RMS returned to operable status by 2130 hours upon completion of a satisfactory Source Check of each monitor.

A modification to the Radiation Monitoring System is being processed for the redesign of the power supply protection circuitry. The modification will provide fuse protection, as required, to prevent a single fault from de-energizing either train of the RMS. The modification is expected to be complete by September 1, 1983.