LICENSEE EVENT REPORT

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	CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
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CON'T 0 1 7 8	REPORT LLG 0 5 0 0 0 3 3 8 7 1 12 0 6 7 8 8 0 1 0 3 7 9 9 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10 During the performance of a monthly test, it was discovered that one of the heat
0 3	tracing channels of the boron injection system was inoperable. This is contrary to
0 4	T.S. 3.5.4.2. The redundant channel was checked and placed in operation and boxon
0 5	temperature monitored as required by the appropriate Action Statement. This event is
0 6	reportable as per T.S. 6.9.1.9.b.
0 7	
0 8 7 8	SYSTEM CAUSE CAUSE COMP. VALVE
7 8	CODE SUBCODE COMPONENT CODE SUBCODE SU
	17) REPORT NUMBER 21 22 23 24 26 27 28 29 30 31 32
[1]0]	ACTION FUTURE ON PLANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION ON PLANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION FUTURE OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION OF LANT SHUTDOWN HOURS 22 ATTACHMENT SUPPLIER SUPPLI
	tank heater which was caused by a defective heater cable. The redundant channel was
[1]2]	[placed into operation. The defective cable was replaced and the original heat tracing]
1 3	channel was returned to operation.
1 4	
1 5	9 FACILITY STATUS 9 OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 E 28 0 9 7 29 NA B 31 Periodic Test 80 80
	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY (35) Z (33) Z (34) NA
1 7	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) O O O (37) Z (38) NA 9 PERSONNEL INJURIES (60)
1 B	NI SIBER DESCRIPTION (41) NA N
1 9	LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA NA 80
7 8 2 0 7 8	PUBLICITY DESCRIPTION 45 NA 9 10 NRC USE ONLY 8 68 69 NRC USE ONLY 8 68 69 NRC USE ONLY
790	NAME DE PREPARER W. R. Cartwright PHONE: 703-894-5151

Virginia Electric and Power Company North Anna Power Station, Unit #1 Docket "o. 50-338 Report No. LER 78-126/03L-0

Attachment: Page 1 of 1

Description of Event:

on 12/06/78 during the performance of a periodic test, it was discovered that one of the heat tracing channels of the boron injection system was inoperable. This is contrary to T.S. 3.5.4.2.

The redundant heat trace channel was initiated and boron temperature monitored as required by the appropriate Action Statement.

This event is reportable as per T.S. 6.9.1.9.b.

Probable Consequences of Occurrence:

The operability of the redundant heat tracing channels associated with the boron injection system, ensure that the solubility of the boron solution will be maintained above the solubility limit of 137°F at 22,500 ppm boron.

Since the redundant heat tracing channel was operable and the boron temperature monitored and maintained above 137°F, there was no effect upon the safe operation of the plant.

Consequently, at no time was the public health and safety endangered.

Cause of Occurrence:

The cause of the heat tracing channel being inoperable was an open heater circuit in the boron injection system. The heater circuit was open because of a defective heater cable.

Immediate Corrective Action:

The redundant heat tracing channel operability was checked and it was placed into operation. The boric acid transfer pump operability was also checked.

Scheduled Corrective Action:

The heater circuit was repaired by replacing the defective heater cable. The heat tracing channel periodic test was performed and the channel returned to operation.

Action Taken To Prevent Recurrence:

No further corrective action was required.