(7-77)

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Field	Value
01 Licensee Code (2)	V A N A S 1
License Number (3)	0 0 - 0 0 0 0 0 - 0 0
License Type (4)	4 1 1 1 1
CAT (5)	
CON'T 01 Report Source (6)	L
Docket Number (7)	0 5 0 - 0 3 3 8
Event Date (8)	0 1 2 9 7 9
Report Date (9)	0 2 1 2 7 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

Recently, a special test was conducted on the Service Water System to determine the hydraulic capabilities of the system. The system was aligned to simulate a LOCA on Unit #2 and cooldown on Unit #1. The test results indicate that with a 95°F Service Water temperature, one service water pump out for maintenance and one pump failing to start, the design flow of 37 gpm to the charging pump coolers could not be met.

Reportable pursuant to T.S. 6.9.1.8.i.

Field	Value
09 System Code (11)	W B
Cause Code (12)	B
Cause Subcode (13)	A
Component Code (14)	H T E X C H
Comp. Subcode (15)	Z
Valve Subcode (16)	Z
LER/RO Report Number (17): Event Year	7 9
Sequential Report No.	0 0 8
Occurrence Code	0 1
Report Type	T
Revision No.	0
Action Taken (18)	Z
Future Action (19)	X
Effect on Plant (20)	Z
Shutdown Method (21)	Z
Hours (22)	0 0 0 0
Attachment Submitted (23)	Y
NPRD-4 Form Sub. (24)	N
Prime Comp. Supplier (25)	N
Component Manufacturer (26)	P 0 2 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Preliminary investigation reveals that the pressure drop across the two inch carbon steel piping and charging pump skid piping is too large to allow adequate flow. An engineering review of this problem is in progress.

Field	Value
15 Facility Status (28)	G
% Power (29)	0 0 0
Other Status (30)	NA
Method of Discovery (31)	C
Discovery Description (32)	Special test on system
16 Activity Released (33)	Z
Content of Release (34)	Z
Amount of Activity (35)	NA
Location of Release (36)	NA
17 Personnel Exposures Number (37)	0 0 0
Type (38)	Z
Description (39)	NA
18 Personnel Injuries Number (40)	0 0 0
Description (41)	NA
19 Loss of or Damage to Facility Type (42)	Z
Description (43)	NA
20 Publicity Issued (44)	Z
Description (45)	NA
NRC USE ONLY	

7902150374

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GPO 917-926

Virginia Electric and Power Company
North Anna Power Station, Unit #1
Docket No. 50-338
Report No. LER 79-008/01T-0

Description of Event:

Recently, a special test was conducted on the Service Water System to determine the flow characteristics of the system during accident conditions. The system was aligned to similate a LOCA on Unit #2 concurrent with a cool-down on Unit #1. The test results indicate that with a 95°F service water system, one pump out for maintenance and failure of another to start, the design flow of 37 gpm to the charging/high head safety injection pumps could not be met.

Probable Consequences of Occurrence:

Presently, with only one unit operating and Service Water temperature between 60 and 70°F, adequate flow to the charging pump coolers is available during accident conditions. Hence, there was no danger to the public or station personnel.

Cause:

Preliminary investigation indicates the pressure drop across the 2 inch carbon steel piping, charging pump skid piping, and lube oil cooler temperature control valve is too large to allow adequate flow.

Immediate Corrective Action:

No immediate action was taken.

Scheduled Corrective Action:

An engineering evaluation of this problem is continuing to determine what corrective action is required.

Actions Taken to Prevent Recurrence:

No further action required.