NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

LER 83-05/1T

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

01 | VTVYS1 (2) | 00-00000-00 (3) | 4111 1 (4) | (5)
LICENSEE CODE (9–14) | LICENSE NUMBER (15–25) | LICENSE TYPE (26–30) | CAT (57–58)

CON'T
01 | REPORT SOURCE L (6) | 05000271 (7) | 020383 (8) | 021883 (9)
REPORT SOURCE (60) | DOCKET NUMBER (61–68) | EVENT DATE (69–74) | REPORT DATE (75–80)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation, the operators determined that the Nitrogen Makeup Flow
03 was high. When attempting to reduce the flow through the Nitrogen Makeup Line,
04 V-16-20-20 and V-16-20-22B failed to close. These valves are Containment Isolation
05 Valves and are required to be operable per T. S. 3.7.D.1. The valves were closed
06 after several actuations of the remote manual switches. There were no adverse
07 consequences to public health or safety as a result of this event. Similar
08 occurrences were reported as LER 82-15 and 83-01.

09 | SYSTEM CODE SD (11) | CAUSE CODE X (12) | CAUSE SUBCODE Z (13) | COMPONENT CODE VALVEX (14) | COMP. SUBCODE F (15) | VALVE SUBCODE D (16)

(17) LER/RO REPORT NUMBER | EVENT YEAR 83 | — | SEQUENTIAL REPORT NO. -05 | / | OCCURRENCE CODE 01 | REPORT TYPE T | — | REVISION NO. 0

ACTION TAKEN X (18) | FUTURE ACTION F (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0000 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. Y (24) | PRIME COMP. SUPPLIER A (25) | COMPONENT MANUFACTURER A535 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 This failure is attributed to a collection of ferrous metal particles collected on
11 the magnet used to provide valve position indication. These particles are believed
12 to be coming from corrosion of the inside of the carbon steel piping. They are car-
13 ried by the high makeup flow and collect in the valves. A Y-Strainer with a magnetic
14 insert has been installed in the line upstream of the valves. (See Attached)

15 | FACILITY STATUS E (28) | % POWER 087 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) Operator observation

16 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

17 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE Z (38) | DESCRIPTION (39) NA

18 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) NA

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION (43)

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PDR ADOCK 05000271
S PDR

20 | PUBLICITY ISSUED Y (44) | DESCRIPTION (45) Press Release 2/3/83

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GPO 917-926

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

This failure is attributed to a collection of ferrous metal particles collected on the magnet used to provide valve position indication. These particles are believed to be coming from corrosion of the inside of the carbon steel piping. These particles are carried by the high makeup flow and collect in the valves. A Y-Strainer with a magnetic insert has been installed in the line upstream of the valves to remove the particles from the gas stream prior to its reaching the valves. After installation of the Y-Strainer the valves were cleaned, tested, and returned to service. The valves currently installed are Atkomatic Cat. No. 3140VPI MOD.

Unless required to maintain the Drywell/Torus differential pressure, these valves will remain closed until the 1983 Refueling Outage. At this time they will be replaced with Target Rock Solenoid valves.