

LICENSEE EVENT REPORT

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

/0/1/ /V/A/N/A/S/1/ (2) /0/0/-/0/0/0/0/0/-/0/0/ (3) /4/1/1/1/1/ (4) / / / (5)
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

/0/1/ REPORT SOURCE /L/ (6) /0/5/0/0/0/3/3/8/ (7) /0/7/2/6/8/2/ (8) /08/2/4/8/2/ (9)
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / During the Unit No. 1 refueling outage, Type C Tests revealed that some of the /
/0/3/ / containment isolation valves had unacceptable leak rates. The as found leakage /
/0/4/ / of all these valves exceeded the total allowable Type C Leakage of 0.60 La. In- /
/0/5/ / tegrity was maintained by the redundant valve, a closed system or heat exchang- /
/0/6/ / ers in each case; therefore, the health and safety of the general public were not /
/0/7/ / affected. This is contrary to T.S. 3.6.1.2 and reportable pursuant to T.S. /
/0/8/ / 6.9.1.9.d. /

SYSTEM CAUSE CAUSE COMP. VALVE
CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE

/0/9/ /S/A/ (11) /E/ (12) /X/ (13) /V/A/L/V/E/X/ (14) /X/ (15) /X/ (16)
LER/RO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
REPORT NO. NO.
(17) NUMBER /8/2/ /-/ /0/5/3/ / / /0/3/ /L/ /-/ /0/

ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT
TAKEN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURER

/X/ (18) /X/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /X/9/9/9/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / All of the valves have not been repaired; consequently, the cause of the failure /
/1/1/ / for each valve has not been determined. The corrective action will be to repair /
/1/2/ / or adjust the valves and verify that the leakage has been returned to an accept- /
/1/3/ / able rate. /
/1/4/ /

FACILITY STATUS %POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)
/1/5/ /H/ (28) /0/0/0/ (29) / NA / (30) /B/ (31) / Type C Surveillance /

ACTIVITY CONTENT AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
RELEASED OF RELEASE
/1/6/ /Z/ (33) /Z/ (34) / NA / / NA /

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

PERSONNEL INJURIES DESCRIPTION (41)
NUMBER
/1/8/ /0/0/0/ (40) / NA /

LOSS OF OR DAMAGE TO FACILITY (43)
TYPE DESCRIPTION
/1/9/ /Z/ (42) / NA /

PUBLICITY DESCRIPTION (4)
ISSUED
/2/0/ /N/ (44) / NA /

8209020508 820824
PDR ADDCK 05000338
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NRC USE ONLY

NAME OF PREPARER W. R. CARTWRIGHT PHONE (703) 894-5151

Description of Event

During the Unit No. 1 refueling outage it was determined by Type C Testing that 14 valves had leak rates in excess of 11 SCFH. The valves were tested as part of the refueling Type C Leakage Determination. The maximum Type B and Type C Leakage allowed by T.S. 3.6.1.2 is 0.60 La which corresponds to a leak rate of 154.5 SCFH.

Probable Consequences of Occurrence

Redundant isolation valves, closed systems or heat exchangers provided containment integrity for all of the leaky valves. The component cooling check valves to several heat exchangers inside containment have redundant isolation provided by the heat exchanger shells. The letdown system is continuously monitored for radioactivity and is essentially a closed system outside of containment. All other valves had redundant isolation during operation; therefore, the health and safety of the general public were not affected.

Cause of Event

The cause of valve leakage has not been determined for all the valves yet. The repair work is progressing and a summary of the causes of valve failure will be compiled after all of the valves have been maintained.

Immediate Corrective Action

The valves are being repaired or adjusted as necessary.

Scheduled Corrective Action

All of the valves that have failed will be repaired or adjusted and successfully Type C Tested prior to the end of the present refueling outage.

Action Taken To Prevent Recurrence

Valve leakage history is being reviewed to determine the cause of failure for valves that repeatedly fail Type C Testing. Corrective action will be initiated based on the review.

Generic Implications

There are no generic implications associated with this event.