

U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORT

CONTROL BLOCK / / / / / (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
 /0/1/ /V/A/N/A/S/2/ (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 /L/ (6) /0/5/0/0/0/3/3/9/ (7) /0/3/0/8/8/2/ (8) /0/3/3/1/8/2/ (9)
 SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / During the period from March 8 to 10, 1982, while cooling down for a refueling /
 /0/3/ / outage, the pressurizer PORV's were declared inoperable 3 times due to low /
 /0/4/ / nitrogen pressure in the gas supply tanks. Since the actions of T.S. 3.4.9.3 /
 /0/5/ / were implemented, the health and safety of the public were not affected. This /
 /0/6/ / event is reportable to T.S. 6.9.1.9.b. /
 /0/7/ / /
 /0/8/ / /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /C/J/ (11)	/B/ (12)	/A/ (13)	/X/X/X/X/X/X/ (14)	/Z/ (15)	/Z/ (16)
LER/RO REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17) /8/2/	/-/	/0/0/9/	/ \ /	/0/3/	/L/
					/-/
					/0/

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME SUPPLIER	COMP. MANUFACTURER
/X/ (18)	/F/ (19)	/Z/ (20)	/Z/ (21)	/0/0/0/0/ (22)	/Y/ (23)	/N/ (24)	/Z/ (25)	/Z/9/9/9/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / These events were caused by excessive nitrogen system demand during cooldown /
 /1/1/ / operation, excessive system leakage, and an inadequate make-up supply. In each /
 /1/2/ / event, the gas supply tanks were refilled within the time frame of the Action /
 /1/3/ / Statement. /
 /1/4/ / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /D/ (28)	/0/0/0/ (29)	/ NA / (30)	/A/ (31)	/ Operational Event /

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

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

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

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

PUBLICITY ISSUED	DESCRIPTION (45)	NRC USE ONLY
/2/0/ /N/ (44)	/ NA /	/ / / / / / / / / / / / / / /

NAME OF PREPARER W. R. CARTWRIGHT

PHONE (703) 894-5151

8204280031

Description of Event

On March 8, 1982, at 0850 in Mode 4, the PORV's (PCV 2456 and 2455C) were declared inoperable due to low nitrogen pressure in the supply tanks. The unit cooldown was continued and the tanks pressurized at 1130. The PORV's were thereby restored to operable status within the requirements of T.S. 3.4.9.3. On March 8, 1982 at 1805 in Mode 5, one PORV (PCV 2455C) was declared inoperable for the same reason. The PORV was returned to operability by replenishing the supply tanks within the requirements of T.S. 3.4.9.3.

On March 10, 1982, at 0322 in Mode 5, one PORV (PCV 2455C) was again declared inoperable due to low gas supply pressure. The gas supply tanks were replenished within the action requirements of T.S. 3.4.9.3.

Probable Consequences of Occurrence

The overpressure protection provided by these relief valves ensures RCS integrity in Modes 1, 2 and 3 and prevents pressurization in the non-ductile range of the materials used in the RCS in Modes 4 and 5. Since the valves were returned to operability within the actions of the Technical Specification, the health and safety of the public were not affected. In addition, even though the valves were declared inoperable due to low nitrogen pressure, there was sufficient nitrogen available to cycle the valves for a limited number of events. Insufficient nitrogen pressure, indicated by the low pressure annunciator in the control room, renders the valves incapable of meeting the valve cycle design criteria of 120 operations.

Cause of Event

These events were caused by excessive use of nitrogen during the shutdown of the unit and excessive system leakage.

Immediate Corrective Action

The nitrogen supply was replenished and the PORV's declared operable within the requirements of the Action Statement.

Scheduled Corrective Action

A design change has been initiated to correct the system leakages and to ensure an adequate nitrogen supply is available.

Actions Taken to Prevent Recurrence

The implementation of the design change should prevent recurrence of this event.

Generic Implications

These events are generic problems on North Anna Units 1 and 2.