

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 N J O C P I 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5
8 9 14 15 25 26 30 37 CAT 38

CONT

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 1 9 7 0 1 1 6 8 1 0 8 0 1 3 0 8 1 0 9
60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 On January 16, 1980, while performing inservice inspection on the core

0 3 spray sparger piping for System 11, two indications were discovered.

0 4 These indications were subsequently evaluated and determined to be

0 5 cracks. An air test performed on the sparger indicated that the crack

0 6 indications may not be through-wall as evidenced by lack of air penetra-

0 7 tion. An ultrasonic test performed later on the areas in question det-

0 8 ected through wall cracks. This is a R.O. as defined by T.S.6.9.2.A.9.

0 9 SYSTEM CODE S F 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE P I P E X X 14 COMP. SUBCODE B 15 VALVE SUBCODE Z 16

17 LER/RO REPORT NUMBER 8 0 21 22 23 24 26 27 28 29 30 31 32 REVISION NO. 0

ACTION TAKEN X 18 FUTURE ACTION X 19 EFFECT ON PLANT C 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER A 6 6 1 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The cause of the indications is being investigated at this time. They

1 1 may have been caused by the methods used to install the spargers. Corr-

1 2 ective action will be determined after a full investigation is complete.

1 3

1 4

1 5 FACILITY STATUS H 28 % POWER 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION In service inspection 32

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

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

1 8 PERSONNEL INJURIES NUMBER 0 0 40 DESCRIPTION NA 41

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

2 0 PUBLICITY ISSUED Y 44 DESCRIPTION Press Releases 45

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Licensee Event Report
Reportable Occurrence No. 50-219/80/3-1T

Report Date

January 30, 1980

Occurrence Date

January 16, 1980

Identification of Occurrence

Discovery of two crack indications in the core spray sparger piping.

This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2,A,(9).

Conditions Prior to Occurrence

The plant was in a refueling shutdown.

Mode switch in refuel with reactor coolant less than 212°F.

Description of Occurrence

On Wednesday, January 16, 1980, while performing inservice inspection on the core spray sparger piping for System II, two indications were discovered. These indications were subsequently evaluated and determined to be cracks.

Investigation revealed that the first indication is located at an azimuth approximately 152° and adjacent to the sparger header branch weld. The indication appears to extend approximately 120° circumferentially.

The second indication is located at an azimuth approximately 170°. This indication runs at an angle of approximately 30°-40° to the centerline of the sparger and is approximately 2-3 inches in length with two branch indications running vertically for approximately 2 inches.

On January 16, 1980, an air test was performed on the sparger. This test indicated that the crack indications may not be through-wall as evidenced by lack of air penetration.

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Subsequent to that test, an ultrasonic test was performed on the areas in question. The first area was located at approximately 152° and a through-wall crack was detected in the heat affected zone (haz) of the header branch weld. The second area was located at approximately 170° where additional through-wall cracking was detected.

Apparent Cause of Occurrence

The cause of the indications is being investigated at this time.

Installation methods may have been the cause.

Analysis of Occurrence

Cracking of the core spray sparger in the areas found to have indications could possibly cause a loss of redundancy in the core spray systems should a complete break occur. A complete break and separation of the piping could reduce the capability of the Core Spray System II to adequately wet the core during a LOCA condition. Further investigation of the indications and analysis of the consequences will provide for a more firm analysis of the occurrence.

Corrective Action

Corrective action will be determined after a full investigation is complete.

Failure Data

Not applicable.

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