

LICENSEE EVENT REPORT

UPDATED REPORT - PREVIOUS REPORT DATE 9-11-80

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

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0 1 REPORT SOURCE L 6 0 5 0 0 0 3 2 7 7 0 8 2 9 8 0 8 1 0 1 0 8 0 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 The original LER stated that a pinhole leak was discovered in the rod travel housing-latch housing interface seal weld on CRDM C-11. The defect was actually in the canopy within the heat affected zone adjacent to the seal weld. There was no effect upon public health or safety. Previous occurrences - none.

0 3 0 4 0 5 0 6 0 7 0 8

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO. ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NFRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The original te] copy sent to the NRC on 9-11-80 indicated that the CRDM contained an O-ring, but investigation has revealed that no O-ring is installed. The O-ring is used in testing and removed prior to seal welding. The fault has been ground out and weld repaired per ASME Code Section XI.

1 4 1 5 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

1 8 PERSONNEL INJURIES NUMBER DESCRIPTION

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

2 0 PUBLICITY ISSUED DESCRIPTION

8010210 657

NRC USE ONLY

Tennessee Valley Authority
Sequoyah Nuclear Plant

LER SUPPLEMENTAL INFORMATION
UPDATED REPORT - PREVIOUS REPORT DATE 9-11-80

SQRO-50-327/80141 Revision 1

Technical Specification Involved - 3.4.6.2

Reported Under Technical Specification 6.9.1.12.c

Date of Occurrence 8/29/80

Identification and Description of Occurrence

While on routine inspection of Unit 1 reactor cavity, operations personnel discovered a boron crystal buildup on CRDM C-11 between RPI coil base and rod travel housing. After further cleanup and investigation a pinhole leak was found in the canopy within the heat affected zone adjacent to the seal weld.

Conditions Prior to Occurrence

RCS temperature 130 degrees F. Pressure 10 psig. 1A-A RHR Pump running on RPV recirculation.

Apparent Cause

Material defects which did not become detectable until operational stresses were applied.

Corrective Action

Note: All welding was performed in accordance with ASME Boiler and Pressure Vessel Code, Section XI.

The discovered fault was ground out and weld repaired. During the repair, another fault was "opened up" in the side of the seal weld at the fusion line between the canopy and seal weld. This fault was also ground out and weld repaired.

Difficulty was encountered in welding of the vent hole. A second vent was drilled in a more suitable welding area and the first vent welded satisfactorily. The difficulty in welding the first vent was determined to be due to the water level in the CRDM being approximately 6" inches from the weld area. The water level was lowered to approximately 2 feet below the weld and the second vent welded satisfactorily.

After welding of the second vent a fault was discovered in the second vent weld and repaired.

Failure Data

None