

TELECOPY TO NRC  
USNRC  
ATLANTA, GEORGIA  
July 6, 1983

U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW  
Suite 3100  
Atlanta, Georgia 30303  
83 JUL 14 AM 11:02

BFRO-50-259/83036

Reported under Technical Specification 6.7.2.a.1

Date of Occurrence: 7/05/83 Time of Occurrence: 0930 hours Unit 1

Technical Specification Involved: 2.2.A

Conditions Prior to Occurrence

Unit 1 shutdown for refueling; unit 2 at 110 MWe, and unit 3 at 1,034 MWe.

Identification and Description of Occurrence

Through verbal notification, we have received data indicating that seven of 13 two-stage Target Rock relief valves tested at Wyle Laboratories for as-found set pressure initially failed to lift within the allowable range. Tabulated below are valve serial numbers, set pressures, as-found set pressures, and percent deviation for the first lift.

Valve Serial Number Set Pressure As-Found Percent Deviation

1060	1105 $\pm$ 11	1135	2.7
1070	1105 $\pm$ 11	1156	4.6
1084	1105 $\pm$ 11	1128	2.1
1068	1125 $\pm$ 11	1137	1.07
1079	1115 $\pm$ 11	1136	1.9
1075	1115 $\pm$ 11	1016	-9.8
1027	1115 $\pm$ 11	1158	2.9

The total average deviation is 2.54 percent.

Apparent Cause of Occurrence

As stated in previous LERs (BFRO-50-260/8227, -259/8125, -296/8174), the cause is being evaluated with the manufacturer.

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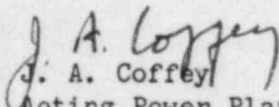
BFRO-50-259/83036 (Continued)

Other Related Events

Reference: BFRO-50-260-8227, -296/8054, -259/8125, -296/8174. The evaluations performed in the referenced LERs remain valid in that this problem does not result in an overexposure condition of reactor vessel piping nor does it result in any appreciable increase in MCPR operating limit. Previous calculations performed by the General Electric Company indicated that for the previous unit 1 operating cycle, a total average deviation in relief valve setpoint of 5.0 percent could have existed with not significant effect on nuclear safety.

Corrective Action Taken or Planned

These seven valves will be reset, and retested prior to installation.

  
J. A. Coffey

Acting Power Plant Superintendent  
Browns Ferry Nuclear Plant