

DUKE POWER COMPANY  
OCONEE UNIT 1

Report No.: RO-269/76-13

Reported by Date 9-9-76

Report Date: September 9, 1976

Occurrence Date: August 10, 1976

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Penetration room valve PR-2 discovered inoperable

Conditions Prior to Occurrence: Unit at 75 percent full power

Description of Occurrence:

On August 10, 1976, prior to purging the Reactor Building, penetration room valve PR-2 was discovered inoperable. This valve, which is located outside the Reactor Building in the purge piping, provides containment isolation following an ES actuation. Valve PR-2 failed in the intermediate position and could not be cycled to a fully-open or fully-closed position. Prior to investigation of the problem, valve PR-2 was immediately isolated by locking closed redundant valve PR-1 located inside the Reactor Building pursuant to Technical Specification 3.6.4.b.2.

Designation of Apparent Cause of Occurrence:

PR-2 is an air-operated valve. The exhauster in the air supply, which removes air when the valve is closed, contained a ruptured diaphragm resulting in insufficient air pressure to activate the valve.

Analysis of Occurrence:

Valve PR-2 was properly isolated in compliance with Technical Specification 3.6.4.b.2 by securing redundant valve PR-1 in the closed position. In the event that containment integrity had been required prior to securing valve PR-1, valve PR-1 would have closed upon an ES actuation. There have been no previous defects in valve exhauster diaphragms. This failure is, therefore, considered a random occurrence and not an indication of a generic problem. Containment integrity was not affected by this incident and it is, thus, concluded that the health and safety of the public were not affected.

Corrective Action:

Valve PR-2 has been repaired and its operability verified.

7912100 701