

DUKE POWER COMPANY

OCONEE UNIT 3

Report Number: RO-287/78-10

Report Date: April 21, 1978

Occurrence Date: March 22, 1978

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Occurrence: Low Pressure Injection System Cooler B
Inoperable

Conditions Prior to Occurrence: 100% Full Power

Description of Occurrence:

At approximately 0630 on March 22, 1978 during the performance of OP/3/A/1104/10, Low Pressure Service Water (LPSW) System Valve Lineup Check, it was noted that valve 3LPSW-78 was neither fully open or closed. The utility operator was directed to open the valve; but, when he attempted to do so, he inadvertently closed the valve. The valve operates in the unusual clockwise-to-open configuration. The mechanical position indicator was broken so that his error was not immediately detectable. At approximately 0830 during the performance of PT/3/A/025/1, LPSW Performance Test, it was discovered that no flow could be established through the B cooler. The subsequent investigation indicated the erroneous valve closure and the valve was opened by 0845.

Apparent Cause of Occurrence:

The cause of the occurrence was the broken position indicator coupled with the clockwise-to-open characteristic of the handwheel.

Analysis of Occurrence:

The closure of valve LPSW-78 removed LP Cooler B from service. One cooler is necessary for decay heat removal (FSAR Section 6.1.2.7). Since LP Cooler A was available, the occurrence caused no loss-of-function to the system. Public health and safety were not endangered.

Corrective Action:

The valve was opened to return LP Cooler B to service. All clockwise-to-open valves at the Oconee Station will be identified and tagged and any broken position indicators will be repaired.