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Fermi 2

Technical Requirements Manual

Volume I

Detroit
Edison

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17. Group 17 - Recirculation Pump System and Primary Containment Radiation Monitoring System
Reactor Vessel Low Water Level - Level 2
Drywell Pressure - High
18. Group 18 - Primary Containment Pneumatic Supply System
Reactor Vessel Low Water Level - Level 2
Drywell Pressure - High
- (b) These valves are hydrostatically leak tested.
- (c) Also closes automatically as a result of Torus Room Floor Drain Sump Level - High - High and Drywell Floor Drain Sump Level - High - High.
- (d) These valves may be closed remotely from one of the following locations:
1) control room.
2) their respective local panels.
- (e) Will automatically reposition as a result of the actuation of the LPCI Loop Selection Logic.
- (f) Will automatically close when the corresponding RHR loop flow is greater than 3000 gpm.
- (g) Will automatically close when the corresponding core spray loop flow is greater than approximately 775 gpm.
- (h) Will automatically close when a) HPCI Turbine Steam Stop Valve E4100-F067 closes or b) HPCI Turbine Steam Supply Isolation Valve E4150-F001 closes.
- (i) Will automatically close as a result of the condition listed in Note (h), above, as well as when HPCI flow is greater than 1200 gpm.
- (j) Will automatically close when a) RCIC Turbine Steam Stop Valve E5150-F045 closes or b) RCIC Turbine Governor Trip and Throttle Valve E5150-F059 closes.
- (k) Will automatically close as a result of the conditions listed in Note (j) above, as well as when RCIC flow is greater than 130 gpm.
- (l) These valves are actuated by remote manual key-locked switches and will cut the TIP cable and seal off the TIP guide tube when actuated. These valves are squib-fired.
- (m) May be closed remotely as a secondary actuation mode to reverse flow.
- (n) Valves realign automatically on a reactor scram signal.
- (o) Thermal relief valves.
- (p) Locked closed.
- (q) Not subject to Type C leakage tests.
- (r) Hydrostatically tested in accordance with Technical Specification SR 3.4.5.1 in lieu of the requirements of Technical Specifications 3.6.1.1 and 3.6.1.3.
- (s) These Containment Isolation Valve(s) are not Type C tested. Containment by-pass leakage is prevented since the line terminates below the minimum water level in the suppression chamber and the system is a closed system outside Primary Containment.
- (t) Valve closes on low reactor water level signal (Level 1) or high drywell pressure signal to ensure all SDC flow is directed to the reactor vessel.
- (u) Includes valve stroke time only. License Amendment No. 143, approved by the NRC on July 12, 2001, revised the Licensing Basis to allow a 121-second delay in the timing of the release of fission products following a design-basis accident. Therefore, most Class B valves' maximum isolation time may be changed to 108 seconds using the 10 CFR 50.59 process. See letter NRC-00-0066 and Amendment No. 143 for more details.