

based on their degree of risk significance. The risk-significant components are listed in Table 3.7-1.

The objective of the D-RAP program is to provide reasonable assurance that risk-significant SSCs (Table 3.7-1) are designed such that: (1) assumptions from the risk analysis are utilized, (2) SSCs (Table 3.7-1) when challenged, function in accordance with the assumed reliability, (3) SSCs (Table 3.7-1) whose failure results in a reactor trip, function in accordance with the assumed reliability, and (4) maintenance actions to achieve the assumed reliability are identified.

1. The D-RAP ensures that the design of SSCs within the scope of the reliability assurance program (Table 3.7-1) is consistent with the risk insights and key assumptions (e.g., SSC design, reliability, and availability).

| Table 3.7-1 Risk-Significant Components | |
|---|--|
| Equipment Name | Tag No. |
| Component Cooling Water System (CCS) | |
| Component Cooling Water Pumps | CCS-MP-01A/B |
| Containment System (CNS) | |
| Containment Vessel | CNS-MV-01 |
| Hydrogen Igniters | VLS-EH-1 through -64 |
| Chemical and Volume Control System (CVS) | |
| Makeup Pumps | CVS-MP-01A/B |
| Makeup Pump Suction and Discharge Check Valves | CVS-PL-V113 CVS-PL-V160A/B |
| Letdown Discharge Isolation Valves | CVS-PL-V045 CVS-PL-V047 |
| Diverse Actuation System (DAS) | |
| DAS Processor Cabinets and Control Panel (used to provide automatic and manual actuation) | DAS-JD-001 DAS-JD-002 DAS-JD-003 OCS-JC-020 |
| Auxiliary Building UPS Distribution Panels (provide power to DAS) | EDS2-EA-12, EDS3-EA-14A |
| Rod Drive MG Sets (generator field control relays) | PLS-MG-01A/B |
| Containment Isolation Valves Controlled by DAS | CVS-PL-V045, -V047 VFS-PL-V003, -V004, -V009, -V010 WLS-PL-V055, -V057 |
| Main ac Power System (ECS) | |