

which automatically initiates appropriate action to prevent exceeding established limits. Safety is not compromised, however, by continuing operation with certain instrumentation channels out of service since provisions were made for this in the plant design. This specification outlines limiting conditions for operation necessary to preserve the effectiveness of the Reactor Control and Protection System when any one or more of the channels is out of service.

Almost all reactor protection channels are supplied with sufficient redundancy to provide the capability for channel calibration and test at power. Exceptions are backup channels such as reactor coolant pump breakers. The removal of one trip channel on process control equipment is accomplished by placing that channel bistable in a tripped mode; e.g., a two-out-of-three circuit becomes a one-out-of-two circuit. The source and intermediate range nuclear instrumentation system channels are not intentionally placed in a tripped mode since these are one-out-of-two trips, therefore the trips are bypassed during testing. ~~Testing of the NIS power range channel requires bypassing the Dropped Rod protection from NIS, for the channel being tested. However, the Rod Position System still provides the dropped rod protection.~~ Testing does not trip the system unless a trip condition exists in a concurrent channel.

The operability of the accident monitoring instrumentation ensures that sufficient information is available in selected plant parameters to monitor and assess these variables during and following an accident. The PORV block valves have local, external indication of whether the block valve is open or shut. If necessary, this local indication can be visually verified during a containment entry inspection to verify the block valve is shut.

The subcooling displays are comprised of two separate channels which receive temperature and pressure information directly from installed instrumentation. These channels display the temperature differential between the sensed conditions