

3.5 INSTRUMENTATION

Applicability: Applies to reactor safety and features and accident monitoring instrumentation systems.

Objective: To delineate the conditions of the instrumentation and safety circuits necessary to ensure reactor safety.

Specification:

1. Tables 3.5-1 through 3.5-5 state the minimum instrumentation operation conditions. Specification 3.0.1 applies to Tables 3.5-1 through 3.5-3.
2. With the number of OPERABLE accident monitoring instrumentation channel(s) less than the Total Number of Channels shown in Table 3.5-5, either restore the inoperable channel(s) to OPERABLE status within 7 days, or be in a condition with $K_{eff} < 0.99$, % thermal power excluding decay heat equal to zero, and an average coolant temperature $T_{avg} < 350^{\circ}\text{F}$ within the next 12 hours.
3. With the number of OPERABLE accident monitoring instrumentation channels less than the MINIMUM CHANNELS OPERABLE requirements of Table 3.5-5, either restore the inoperable channel(s) to OPERABLE status within 48 hours or be in a condition with $K_{eff} < 0.99$, % thermal power excluding decay heat equal to zero, and an average coolant temperature $T_{avg} < 350^{\circ}\text{F}$ within the next 12 hours.

