

1.0 Definitions (Continued)

- AA. Shutdown - The reactor is in a shutdown condition when the reactor mode switch is in the shutdown mode position and no core alternations are being performed. When the mode switch is placed in the shutdown position a reactor scram is initiated, power to the control rod drives is removed, and the reactor protection system trip systems are de-energized.-
1. Hot Shutdown means conditions as above with reactor coolant temperature greater than 212°F.
  2. Cold Shutdown means conditions as above with reactor coolant temperature equal to or less than 212°F.
- BB. Simulated Automatic Actuation - Simulated automatic actuation means applying a simulated signal to the sensor to actuate the circuit in question.
- CC. Deleted
- DD. Fraction of Rated Power (FRP) - The fraction of rated power is the ratio of core thermal power to rated thermal power of 2527 Mwth.
- EE. Transition Boiling - Transition boiling means the boiling regime between nucleate and film boiling. Transition boiling is the regime in which both nucleate and film boiling occur intermittently with neither type being completely stable.
- FF. Fuel Design Limiting Ratio (FDLRX) - The fuel design limiting ratio is the limit used to assure that the fuel operates within the end-of-life steady state design criteria. FDLRX assures acceptable end-of-life conditions by, among other items, limiting the release of fission gas to the cladding plenum.
- GG. Dose Equivalent I-131 - That concentration of I-131 (microcurie/gram) which alone would produce the same thyroid dose as the quantity and isotopic mixture of I-131, I-132, I-133, I-134, and I-135 actually present. The thyroid dose conversion factors used for this calculation shall be those listed in Table III of TID-14844, "Calculation of Distance Factors for Power and Test Reactor Sites".

### 3.0 LIMITING CONDITION FOR OPERATION

- A. In the event a Limiting Condition for Operation cannot be satisfied because of circumstances in excess of those addressed in the specification, the unit shall be placed in at least hot shutdown within 12 hours and in cold shutdown within the following 24 hours unless corrective measures are completed that satisfy the Limiting Conditions for Operation. Exceptions to these requirements are stated in the individual specifications.
- B. When a system, subsystem, train, component, or device is determined to be inoperable solely because its emergency power source is inoperable, or solely because its normal power source is inoperable, it may be considered operable for the purpose of satisfying the requirements of its applicable Limiting Condition for Operations, provided: (1) its corresponding normal or emergency power source is operable; and (2) all of its redundant system(s), subsystem(s), train(s), component(s), and device(s) in the other division are operable, or likewise satisfy the requirements of this specification. Unless both conditions (1) and (2) are satisfied, the unit shall be placed in at least

4.0.B Each Surveillance Requirement shall be performed within the specified surveillance interval with a maximum allowable extension not to exceed 25 percent of the surveillance interval.

Table 3.2.6  
Post Accident Monitoring Instrumentation Requirements

Minimum Number of Operable Channels (1)	Parameter	Number Provided	Instrument Range
1	Reactor Pressure	1 2	0-1500 psig 0-1200 psig
1	Reactor Water Level	1 2	0-1500 psig -340 to +60 Inches
1	Torus Bulk Water Temperature	2	0-300 °F
2 (3)	Torus Water Level Indicator	1 2	-20 to +20 inches (narrow range) 0-30 ft (wide range)
	Torus Water Local Sight Glass	1	40 inch range (narrow range)
1 (4)	Torus Pressure	1	-2.45 to +5
2	Drywell Pressure	1 1 2	0-5 psig -5 to +70 psig -5 to +250 psig
2	Drywell Temperature	6	0-600 °F
2	Neutron Monitoring	4	0.1-10 <sup>6</sup> CPS
1 (4)	Torus to Drywell Differential Pressure	2	0-3 psid
1	Drywell Radiation Monitor	2	1 to 10 <sup>8</sup> R/hr
1/valve (2)	Main Steam RV Position, Acoustic Monitor	1 per valve	N/A
1/valve (2)	Temperature Monitor	1 per valve	0-600 °F
1/valve (2)	Main Steam SV Position, Acoustic Monitor	1 per valve	N/A
1/valve (2)	Temperature Monitor	1 per valve	0-600 °F
1 (5)	Drywell Hydrogen Concentration	2	0-10%

Notes: (See Next Page)

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