TABLE 15.4.1-1 (continued)

| NO. | CHANNEL DESCRIPTION | CHECK | CALIBRATE | TEST | PLANT CONDITIONS WHEN REQUIRED |
|---|---|---|---|---|---|
| 20. | Auxiliary Feedwater Flowrate | (13) | R | - | ALL |
| 21. | Boric Acid Control System | - | R | - | ALL |
| 22. | Boric Acid Tank Level | D | R | - | ALL |
| 23. | Charging Flow | - | R | - | ALL |
| 24. | Condensate Storage Tank Level | S(1) | R | - | ALL |
| 25. | Containment High Range Radiation | M(1) | R(14) | - | ALL |
| 26. | Containment Hydrogen Monitor | D | - | - | ALL |
| | -Gas Calibration | - | Q(15) | - | ALL |
| | -Electronic Calibration | - | R | - | ALL |
| 27. | Containment Pressure | S | R | Q(1,3,9) | ALL |
| 28. | Containment Water Level | M | R | - | ALL |
| 29. | Emergency Plan Radiation Survey Instruments | Q | A | Q | ALL |
| 30. | Environmental Monitors | M | - | - | ALL |
| 31. | In-Core Thermocouples | M | R(14) | - | ALL |
| 32. | Low Temperature Overpressure Protection System | S(12) | R | (10) | ALL |
| 33. | PORV Block Valve Position Indicator | Q | R | - | ALL |
| 34. | PORV Operability | - | R | Q(11) | ALL |
| 35. | PORV Position Indicator | S(21) | R | R | ALL |

TABLE 15.4.1-1 (continued)

| NO. | CHANNEL DESCRIPTION | CHECK | CALIBRATE | TEST | PLANT CONDITIONS WHEN REQUIRED |
|---|---|---|---|---|---|
| 36. | Radiation Monitoring System | | | | |
| | - RE-218 WDS Liquid Monitor | (7) | R(14) | Q | ALL |
| | - RE-223 Waste Distillate Overboard Monitor | (7) | R(14) | Q | ALL |
| | - RE-231 A Steam Line Release Monitor | M(1) | R(14) | - | ALL |
| | - RE-232 B Steam Line Release Monitor | M(1) | R(14) | - | ALL |
| | - RE-101 Control Room Monitor | S | R(14) | Q | ALL |
| | - RE-235 Control Room Noble Gas Monitor | S | R(14) | Q | ALL |
| | - RE-215 Air Ejector Monitor | D(1) | R(14) | - | ALL |
| 37. | Reactor Vessel Fluid Level System | M | R | - | ALL |
| 38. | Refueling Water Storage Tank Level | - | R | - | ALL |
| 39. | Residual Heat Removal Pump Flow | - | R | - | ALL |
| 40. | Safety Valve Position Indicator | M | R | - | ALL |
| 41. | Subcooling Margin Monitor | M | R | - | ALL |
| 42. | Deleted | | | | |
| 43. | Volume Control Tank Level | - | A | - | ALL |
| 44. | Reactor Protection System and Emergency Safety Feature Actuation System Logic | - | - | M(1,23) | ALL |
| 45. | Reactor Trip System Interlocks | | | | |
| | -Intermediate Range Neutron Flux, P-6 | - | R(24) | R | ALL |
| | -Power Range Neutron Flux, P-8 | - | R(24) | R | ALL |
| | -Power Range Neutron Flux, P-9 | - | R(24) | R | ALL |
| | -Power Range Neutron Flux, P-10 | - | R(24) | R | ALL |
| | -1st Stage Turbine Impulse Pressure | - | R(24) | R | ALL |

## NOTATION USED IN TABLE 15.4.1-1

A-Annually (12 months)
S- Each shift
D- Daily
W- Weekly
Q- Quarterly
M- Monthly
P- Prior to reactor criticality if not performed during the previous week.
R- Each refueling interval (18 months)
PWR- Power and Low Power Operation, as defined in Specifications 15.1.h. and 15.1.m.
HOT S/D- Hot Shutdown, as defined in Specification 15.1.g.1.
COLD S/D- Cold Shutdown, as defined in Specification 15.1.g.2.
REF S/D- Refueling Shutdown, as defined in Specification 15.1.g.3.
ALL- All conditions of operation, as defined in Specifications 15.1.g, h, and m.

## NOTES USED IN TABLE 15.4.1-1

(1) Not required during periods of refueling shutdown, but must be performed prior to reactor criticality if it has not been performed during the previous surveillance period.

(2) Tests of the low power trip bistable setpoints which cannot be done during power operations shall be conducted prior to reactor criticality if not done in the previous surveillance interval.

(3) Perform test of the isolation valve signal.

(4) Perform by means of the moveable incore detector system.

(5) Recalibrate if the absolute difference is ≥3 percent.

(6) Verification of proper breaker alignment and that the 120 Vac instrument buses are energized.

(7) Source check is required prior to initiation of a release. Source check is an assessment of channel response by exposing the detector to a source of increased radiation. Channel check is required shiftly during a release. If monitor or isolation function is discovered inoperable, discontinue release immediately.

(8) Verify that the associated rod insertion limit is not being violated at least once per 4 hours whenever the rod insertion limit alarm for a control bank is inoperable.

(9) Test of Narrow Range Pressure, 3.0 psig, -3.0 psig excluded.