

SPECIAL TEST EXCEPTIONS

3/4.10.2 ROD PATTERN CONTROL SYSTEM

LIMITING CONDITION FOR OPERATION

and rod withdrawal limiter (RWL) notch

3.10.2 The sequence constraints imposed on control rod groups by the rod pattern control system (RPCS) per Specification 3.1.4.2 may be suspended, by means of the individual rod position bypass switches, for the following tests:

- Shutdown margin demonstrations, Specification 4.1.1.
- Control rod scram, Specification 4.1.3.2.
- Control rod friction measurements.
- Startup Test Program with the THERMAL POWER less than 20% of RATED THERMAL POWER.

e. Fuel power suppression testing to determine the location of leaking fuel.
APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

With the requirements of the above specification not satisfied, verify that the RPCS is OPERABLE per Specification 3.1.4.2.

SURVEILLANCE REQUIREMENTS

4.10.2 When the sequence constraints imposed on control rod groups by the RPCS are bypassed, verify:

- Within 8 hours prior to bypassing any sequence constraint and at least once per 12 hours while any sequence constraint is bypassed, that movement of the control rods ~~from 75% ROD DENSITY to the RPCS~~ ~~slow power setpoint~~ is limited to the established control rod sequence for the specified test, and
- Conformance with this specification and test procedures by a second licensed operator or other technically qualified member of the unit technical staff.

3/4.10 SPECIAL TEST EXCEPTIONS

BASES

3/4.10.1 PRIMARY CONTAINMENT INTEGRITY/DRYWELL INTEGRITY

The requirements for PRIMARY CONTAINMENT INTEGRITY and DRYWELL INTEGRITY are not applicable during the period when open vessel tests are being performed during the low power PHYSICS TESTS.

3/4.10.2 ROD PATTERN CONTROL SYSTEM

or rod withdrawal limiter (RWL) notch

In order to perform the tests (required in the technical specifications it is necessary to bypass the sequence restraints on control rod movement. The additional surveillance requirements ensure that the specifications on heat generation rates and shutdown margin requirements are not exceeded during the period when these tests are being performed and that individual rod worths do not exceed the values assumed in the safety analysis.

3/4.10.3 SHUTDOWN MARGIN DEMONSTRATIONS

Performance of shutdown margin demonstrations with the vessel head removed requires additional restrictions in order to ensure that criticality is properly monitored and controlled. These additional restrictions are specified in this LCO.

3/4.10.4 RECIRCULATION LOOPS

This special test exception permits reactor criticality under no flow conditions and is required to permit performance of certain startup and PHYSICS TESTS while at low THERMAL POWER levels.

3/4.10.5 TRAINING STARTUPS

This special test exception permits training startups to be performed, with the reactor vessel depressurized at low THERMAL POWER and low temperature, while controlling RCS temperature with one RHR subsystem aligned in the shutdown cooling mode. This arrangement minimizes contaminated water discharge to the radioactive waste disposal system.