14.0S Verification Programs

Section 14.1S identifies specific information to be addressed for the Initial Test Program.

Section 14.2 describes the initial test program, including pre-operational testing, initial fuel loading and criticality, low-power testing, and power-ascension testing. The test abstracts provided in Section 14.2 are designed to demonstrate the capability of structures, systems, components (SSCs) and design features to meet performance requirements and design criteria for both the nuclear portion of the facility as well as the balance-of-plant. The prerequisite requirements contained in the test abstracts sequence the testing such that the safety of the plant will not depend on untested SSCs. This section specifies the scope of the initial test program and provides the general plan for accomplishing the program with adequate numbers of qualified personnel and with adequate administrative controls. It also describes how, to the extent practicable, the program will be used to train and familiarize the plant's operating and technical staff in the operation of the facility and how, to the extent practicable, the adequacy of plant operating and emergency procedures will be verified during the testing sequence.

Section 14.2S provides supplemental information covering the same topics as those listed in Section 14.2 for those structures, systems and components that were not originally listed in the DCD.

In addition to the initial test program, Section 14.3 describes the selection criteria and methodology for the inspections, tests, analyses, and acceptance criteria (ITAAC) that will be used to demonstrate that the facility has been constructed and will operate in conformance with the combined license, the Atomic Energy Act, and NRC regulations. Section 14.3S specifies the selection criteria for ITAAC for site-specific systems, emergency planning, and security.