

## 13.0 CONDUCT OF OPERATIONS

### 13.1 ORGANIZATIONAL STRUCTURE FOR THE CONDUCT OF OPERATIONS

#### 13.1.1 Functions, Responsibilities, and Authorities

The Browns Ferry Nuclear Plant was designed and constructed and is operated to produce electric power reliably and economically, and with safety to the public and plant personnel. Its three nuclear steam supply systems were supplied by the General Electric Corporation (GE).

The TVA Nuclear Engineering Organization served as the plant architect, engineer, and principal contractor for the balance of plant equipment and was responsible for ensuring that the technical requirements of the nuclear steam supply system contracts were met. The TVA Nuclear Construction organization was responsible for constructing the plant in accordance with design specifications supplied by the Nuclear Engineering Organization.

TVA Nuclear Power is responsible for the safe operation and maintenance of the plant in compliance with the operating licenses, technical specifications, and other applicable requirements. Nuclear Power is also responsible for preoperational and startup testing programs as discussed in Chapter 13.4 and 13.5.

The original design and construction criteria are provided in various appendixes to this FSAR. Appendix D and the Nuclear Quality Assurance Plan, TVA-NQA-PLN89-A, describe the quality assurance plan developed for the design, construction, and operation of Browns Ferry for both TVA and General Electric. Quality assurance of components that were built and supplied by General Electric was the responsibility of General Electric. The responsibility for quality assurance for supplied components and designs is described in Appendix D. Quality assurance programs for plant operations, maintenance, and upgrading are now the responsibility of and are audited by the Nuclear Quality Assurance Organization.

#### 13.1.2 Interrelationships With Contractors and Suppliers

General Electric supplied TVA with preoperational and startup test procedures for the nuclear steam supply system.

General Electric provided technical direction and guidance during preoperational and startup testing and during initial operation until all plant equipment was fully accepted by TVA. General Electric continues to supply technical direction and guidance as necessary to support continued operation of Browns Ferry. Technical direction and guidance are defined in paragraph 13.5.

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General Electric supplied the initial core loads of fully licensable and operable nuclear fuel and committed to supply several reload batches.

Nuclear Engineering provided preoperational and startup test-scoping documents and acceptance criteria for the balance of plant systems.

Nuclear Construction was responsible for performing the preoperational testing including preparation of a detailed set of test procedures.

Nuclear Power assumed responsibility for plant startup testing and operation commencing with fuel loading and for the preparation of detailed startup test procedure operation manuals.

During major evolutions such as loading or unloading fuel in the reactor vessel, TVA may rely on General Electric as a source of technical expertise, advise, and/or functional assistance.