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## **17.0 QUALITY ASSURANCE**

### **17.1 Quality Assurance During Design and Construction**

#### **17.1.1 TVA Organization**

The information presented in "Nuclear Power Organization Topical Report," TVA-NPOD89-A, is applicable to Watts Bar Nuclear Plant.

#### **17.1.2 Quality Assurance Program**

The information presented in Tennessee Valley Authority Nuclear Quality Assurance Program, TVA-NQA-PLN89-A (latest NRC approved revision), is applicable to Watts Bar Nuclear Plant.

##### References:

1. "Nuclear Power Organization Topical Report," TVA-NPOD89-A.
2. "Nuclear Quality Assurance Program," TVA-NQA-PLN89A.

### **17.1A Westinghouse Quality Management System**

The contents of this chapter can be found in the Westinghouse Quality Management System (QMS) <sup>[1]</sup> current revisions, with the exception of the identification of safety-related equipment, which is covered in Section 3.2 of this FSAR.

#### **REFERENCES**

- (1) Westinghouse Quality Management Systems (QMS)



## **17.2 QUALITY ASSURANCE FOR STATION OPERATION**

See the TVA Nuclear Quality Assurance Program, TVA-NQA-PLN89-A.<sup>[1]</sup>

### **17.2.1 Identification of Safety-Related Features**

The Watts Bar Nuclear Plant Q-List is a listing of structures, systems, and components covered by the Nuclear Quality Assurance program as set forth in the Nuclear Quality Assurance Program, TVA-NQA-PLN89-A.

The Q-List consists of a combination of an itemized section and notes. Items addressed on this list are handled in accordance with the TVA Quality Assurance Program. The Q-List contains safety-related features. Safety-related features are those structures, systems, and components that are necessary to ensure:

- (1) The integrity of the reactor coolant pressure boundary.
- (2) The capability to shut down the reactor and maintain it in a safe condition.
- (3) The capability to prevent or mitigate the consequences of an incident which could result in potential offsite exposures comparable to those specified in 10 CFR 100.

Additionally, the Q-List includes quality-related and some non quality-related features which are not safety-related. TVA identified quality-related features are also defined by the TVA Nuclear Quality Assurance Program.

The Q-List is in a QA software database, as a computer generated list and is maintained per engineering site procedure. Hard copy reports, (i.e., Q-List), are extracted from the data base and can be issued as controlled design outputs. The data is accessible from computer terminals throughout the plant.

In addition, a site wide procedure provides guidelines for using the WBN Q-List to determine the 10CFR 50, Appendix B QA program application. Q-List changes are controlled through the design change process/administrative process to ensure continued completeness and accuracy.

### **REFERENCES**

1. "Nuclear Quality Assurance Program," TVA-NQA-PLN89-A.

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