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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) [1] 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.[1]

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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