

**CHAPTER 17: QUALITY ASSURANCE  
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## CHAPTER 17 QUALITY ASSURANCE

### 17.1 QUALITY ASSURANCE DURING THE DESIGN AND CONSTRUCTION PHASES

This **section** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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PTN COL 17.5-1 The COL Application development through and including COL issuance was conducted in accordance with the requirements of an FPL-approved quality assurance program, which meets the requirements of 10 CFR Part 50 Appendix B and complies with the applicable criteria of ASME NQA-1, 1994. The application of these requirements to the COL Application development activities is defined in the FPL Fleet QA Topical Report, FPL-1.

COL Application development and site characterization services were procured in accordance with the existing FPL Quality Assurance Program requirements from Bechtel Power Corporation. Bechtel Power Corporation performed their assigned tasks in accordance with the requirements of their own quality assurance program that was reviewed and approved by FPL for conduct of safety-related work. The process of collection, review, and analysis of specific data for site characterization was performed under the Bechtel Nuclear Quality Assurance Manual (NQAM) as described in the Bechtel Turkey Point COL Project Quality Assurance Program Plan (QAPP).

FPL maintains oversight of the contractor activities performed in support of the COL Application development contract in accordance with its existing 10 CFR Part 50 Appendix B program as described in the FPL Quality Assurance Topical Report, FPL-1. FPL oversight of the COL development activities is provided through conducting quality assurance audits and surveillances of the contractor activities and processes, and by direct participation in COL development activities. FPL provided site-specific applicant input and review of COL Application content.

Upon issuance of a COL, the FPL New Nuclear Projects Quality Assurance Program Description FPL-2 (QAPD) described in **Section 17.5** will be used for activities related to the remaining portion of the design, construction, and operational phases of the new nuclear facilities.

The Turkey Point Units 6 & 7 safety-related design activities conducted under the program described in **Section 17.1** are performed in conformance with RG 1.28,

Turkey Point Units 6 & 7  
COL Application  
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Revision 3. This is the only identified applicable quality assurance related  
Regulatory Guide for the program in place prior to COL receipt.

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Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

17.2 QUALITY ASSURANCE DURING THE OPERATIONS PHASE

This **section** of the referenced DCD is incorporated by reference with no departures or supplements

Turkey Point Units 6 & 7  
COL Application  
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17.3 QUALITY ASSURANCE DURING DESIGN, PROCUREMENT,  
FABRICATION, INSPECTION, AND/OR TESTING OF NUCLEAR POWER  
PLANT ITEMS

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

Turkey Point Units 6 & 7  
COL Application  
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17.4 DESIGN RELIABILITY ASSURANCE PROGRAM

This **section** of the referenced DCD is incorporated by reference with no departures or supplements.

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

STD DEP 1.1-1 17.5 QUALITY ASSURANCE PROGRAM DESCRIPTION — NEW LICENSE APPLICANTS

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PTN COL 17.5-1  
STD COL 17.5-2  
STD COL 17.5-4  
STD COL 17.5-8

The quality assurance program in place during the design, construction, and operations phases is described in the QAPD, which is maintained as a separate document. The QAPD is incorporated by reference. This QAPD is based on NEI 06-14A, "Quality Assurance Program Description," which has been reviewed by the NRC ([Reference 201](#)).

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PTN COL 17.5-1

The QAPD is the Units 6 & 7 Quality Assurance Program Description.

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PTN COL 17.5-1  
STD COL 17.5-2  
STD COL 17.5-4  
STD COL 17.5-8

[Table 13.4-201](#) provides milestones for operational quality assurance program implementation.

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PTN COL 17.5-1

The quality assurance program in place before implementation of the QAPD is described in [Section 17.1](#).

Turkey Point Units 6 & 7  
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STD DEP 1.1-1 17.6 MAINTENANCE RULE PROGRAM

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STD SUP 17.6-1 This section incorporates by reference NEI 07-02A, “Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52,” with the following supplemental information ([Reference 202](#)). See [Table 1.6-201](#).

[Table 13.4-201](#) provides milestones for maintenance rule program implementation.

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The text of the template provided in NEI 07-02A is generically numbered as “17.X.” When the template is incorporated by reference into this FSAR, section numbering is changed from “17.X” to “17.6.”

STD SUP 17.6-1 Descriptions of the programs listed in Subsection 17.6.3 of NEI 07-02A are provided in the following FSAR chapters/sections:

The maintenance rule program ([Section 17.6](#))

The quality assurance program ([Section 17.5](#))

Inservice inspection program ([Sections 5.2](#) and [6.6](#))

Inservice testing program ([Section 3.9](#))

The technical specifications surveillance test program ([Chapter 16](#))

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Turkey Point Units 6 & 7  
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STD DEP 1.1-1 17.7 COMBINED LICENSE INFORMATION ITEMS

**Section 17.5** of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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PTN COL 17.5-1 This COL Item is addressed in **Sections 17.1** and **17.5**.

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STD COL 17.5-2 This COL Item is addressed in **Section 17.5**.

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STD COL 17.5-4 This COL Item is addressed in **Section 17.5**.

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STD COL 17.5-8 This COL Item is addressed in **Section 17.5**.

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Turkey Point Units 6 & 7  
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STD DEP 1.1-1 17.8 REFERENCES

Section 17.6 of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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201. Nuclear Energy Institute, Technical Report NEI 06-14A, "Quality Assurance Program Description," Revision 5, May 7, 2008.
  202. Nuclear Energy Institute, "Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52," NEI 07-02A, Revision 0.
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