

C.1 Application Format & Content

4. PART 4 – Technical Specifications

The technical specifications and the technical specifications bases comprise Part 4 of the application under 10 CFR Part 52. Requirements for technical specifications, and the associated bases, pertaining to a combined license (COL) and standard design certification (DC) are set forth, respectively, in §52.79(a)(30) and §52.47(a)(11), which reference the requirements of §50.36, “Technical specifications,” and §50.36a, “Technical specifications on effluents from nuclear power reactors.” There are no technical specification requirements for an early site permit (ESP) application; therefore, Part 4 is not applicable to an ESP application.

A DC application shall include proposed generic technical specifications [§50.36(a)(2)], which should be derived from the analyses and evaluations included in the design control document and should conform to the format and be consistent with the content of the most recent version of the standard technical specifications appropriate to the design proposed for certification. A COL application not referencing a DC shall include proposed plant-specific technical specifications and associated bases [§50.36(a),(b)]; the technical specifications will be derived from the analyses and evaluations included in the safety analysis report and should conform to the format and be consistent with the content of the most recent version of the standard technical specifications appropriate to the reactor plant design in the COL application.

A COL application referencing a DC shall include proposed plant-specific technical specifications and bases; the technical specifications should be derived from the analyses and evaluations included in the proposed safety analysis report, encompassing the generic technical specifications and bases of the certified design, departures from the design control document of the certified design, and site-specific information included in the proposed safety analysis report.

Detailed guidance for the format and content of the technical specifications and bases is provided in Chapter 16 of Appendices A, C, and D of this regulatory guidance document.

Part 4 of the application should include the following:

1. Technical specifications
2. Technical specification bases
3. Additional information related to the applicant’s proposed technical specifications and bases which is intended for NRC review
 - a. A DC application should include an introductory section that:
 - i. Describes how the applicant developed the proposed generic technical specifications, especially how it assessed the design’s safety analyses and design features against the selection criteria for limiting conditions for operation (LCOs) in 10 CFR 50.36(c)(2)(ii)
 - ii. Describes the COL information, or COL items, to be denoted by square brackets in the proposed generic technical specifications and associated bases, with guidance to COL applicants for completing COL items needing such guidance
 - iii. Describes how and why the proposed generic technical specifications and bases differ from the standard technical specifications and bases and other precedents

- for technical specification requirements from which the applicant states it derived the proposed generic technical specifications and bases
- iv. Describes any generic changes to operating reactor standard technical specifications and bases that the applicant proposes to incorporate in the generic technical specifications and bases
 - v. States the reasons for including requirements in the proposed generic technical specifications, if any, that are not required by 10 CFR 50.36
 - vi. Lists topical and technical reports that support generic technical specification administrative control reporting requirements such as the core operating limits report and the reactor coolant system pressure and temperature limits report, and administrative control programmatic requirements for instrumentation actuation setpoints, containment leak rate testing, post-accident monitoring instrumentation selection, control room envelope boundary unfiltered inleakage testing, and other applicable reports and programs
- b. A COL application referencing a DC should include an introductory section that
- i. Describes how the applicant proposes to resolve each COL item included in the generic technical specifications and associated bases in order to complete the plant-specific technical specifications and associated bases
 - ii. Summarizes where the COL application describes supplemental information proposed for incorporation as additional requirements in the proposed plant-specific technical specifications and associated bases
 - iii. Summarizes where the application describes standard and site-specific departures from the generic technical specifications and associated bases that are included in the proposed plant-specific technical specifications and associated bases
- c. A COL application not referencing a DC should include an introductory section that
- i. Describes how the applicant developed the proposed plant-specific technical specifications, especially how it assessed the design's safety analyses and design features against the selection criteria for limiting conditions for operation (LCOs) in 10 CFR 50.36(c)(2)(ii)
 - ii. Describes how and why the proposed plant-specific technical specifications and bases differ from the standard technical specifications and bases and other precedents for technical specification requirements from which the applicant states it derived the proposed plant-specific technical specifications and bases
 - iii. Describes any generic changes to operating reactor standard technical specifications and bases that the applicant proposes to incorporate in the plant-specific technical specifications and bases
 - iv. States the reasons for including requirements in the proposed plant-specific technical specifications, if any, that are not required by 10 CFR 50.36
 - v. Lists topical and technical reports that support plant-specific technical specification administrative control reporting requirements such as the core operating limits report and the reactor coolant system pressure and temperature limits report, and administrative control programmatic requirements for instrumentation actuation setpoints, containment leak rate testing, post-accident monitoring instrumentation selection, control room envelope boundary unfiltered inleakage testing, and other applicable reports and programs