

16.0 Technical Specifications

The NRC Policy Statement (Federal Register, Vol. 52, No.25, February 6, 1987) recognizes that:

“The purpose of Technical Specifications is to impose conditions or limitations upon reactor operation necessary to obviate the possibility of an abnormal situation or event giving rise to an immediate threat to the public health and safety by establishing those conditions of operation which cannot be changed without prior Commission approval and by identifying those features which are of controlling importance to safety.”

This set of proposed Technical Specifications establish these conditions and limitations for the ABWR. This set of Technical Specifications is intended to be used as a guide in the development of plant specific sets of Technical Specifications for license applications that reference the ABWR standard plant.

The NRC Policy Statement criteria stated below has been used to identify all structures, systems, and parameters for which Limiting Conditions for Operation (LCOs) have been included in the ABWR Technical Specifications:

- (1) Installed instrumentation that is used to detect, and indicate in the control room, a significant abnormal degradation of the reactor coolant pressure boundary.
- (2) A process variable that is an initial condition of a Design Basis Accident (DBA) or Transient Analyses that either assumes the failure of or presents a challenge to the integrity of a fission product barrier.
- (3) A structure, system or component that is part of the primary success path and which functions or actuates to mitigate a Design Basis Accident or Transient that either assumes the failure of or presents a challenge to the integrity of a fission product barrier.
- (4) Structures, systems, and components which operating experience and probabilistic risk assessment have generally shown to be important to public health and safety.

The content of the ABWR Technical Specifications meets the 10CFR50.36, “Technical Specifications”, requirements and is consistent with the approach of the Standard Technical Specification for BWRs, NUREGs 1433 and 1434, Revision 0, dated September 28, 1992 to the maximum extent possible. In addition, NRC’s draft technical specifications on low power and shutdown have been incorporated.

16.1 COL License Information

This section outlines the information required to be provided by the COL applicant to complete its plant specific Technical Specifications.

16.1.1 COL Information Required for Plant Specific Technical Specifications

In cases where the detailed design, equipment selection, or other efforts are required to establish the information to be specified in Technical Specifications, “[]” has been indicated. The COL applicant will evaluate their applicability and provide the required information to complete its plant specific Technical Specifications.

As part of the Technical Specification Improvement Program undertaken by the NRC and the industry, portions of Section 5.0, Administrative Controls, of NUREGs 1433 and 1434, could be relocated to licensee-controlled document. This improvement has been incorporated into the ABWR Technical Specifications. The COL applicant will have to ensure that the portions of Section 5.0 relocated to licensee-controlled documents are controlled in accordance with an administrative control system acceptable to the NRC.