



# U.S. NUCLEAR REGULATORY COMMISSION

## STANDARD REVIEW PLAN

### 13.1.1 MANAGEMENT AND TECHNICAL SUPPORT ORGANIZATION

#### REVIEW RESPONSIBILITIES

Primary - Organization responsible for the review of human performance

Secondary - None

#### I. AREAS OF REVIEW

The organization responsible for the review of human performance reviews the corporate-level management and technical support organization of applicants (e.g., for a construction permit (CP), operating license (OL), standard design certification (DC), combined license (COL), or license transfer). The review will include the applicant's major contractors, including the nuclear steam supply system (NSSS) vendor and architect-engineer (AE) for the project. The technical resources to support the nuclear power plant design, construction, testing, and operation are reviewed. The review for a CP or COL will include the responsibilities, technical staff, interface arrangements, and management controls used to ensure that the design and construction of the facility will be performed in an acceptable manner. The review for an OL or

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#### USNRC STANDARD REVIEW PLAN

This Standard Review Plan (SRP), NUREG-0800, has been prepared to establish criteria that the U.S. Nuclear Regulatory Commission (NRC) staff responsible for the review of applications to construct and operate nuclear power plants intends to use in evaluating whether an applicant/licensee meets the NRC regulations. The SRP is not a substitute for the NRC regulations, and compliance with it is not required. However, an applicant is required to identify differences between the design features, analytical techniques, and procedural measures proposed for its facility and the SRP acceptance criteria and evaluate how the proposed alternatives to the SRP acceptance criteria provide an acceptable method of complying with the NRC regulations.

The SRP sections are numbered in accordance with corresponding sections in Regulatory Guide (RG) 1.70, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (LWR Edition)." Not all sections of RG 1.70 have a corresponding review plan section. The SRP sections applicable to a combined license application for a new light-water reactor (LWR) are based on RG 1.206, "Combined License Applications for Nuclear Power Plants (LWR Edition)."

These documents are made available to the public as part of the NRC policy to inform the nuclear industry and the general public of regulatory procedures and policies. Individual sections of NUREG-0800 will be revised periodically, as appropriate, to accommodate comments and to reflect new information and experience. Comments may be submitted electronically by e-mail to [NRO\\_SRP.Resource@nrc.gov](mailto:NRO_SRP.Resource@nrc.gov)

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applicant's corporate organization, management controls (including the controls for the implementation of risk-informed evaluations and decisionmaking and document control), and technical staff that will support safe plant operation. The review for license-transfer will examine the acceptability of any changes to the technical organization or personnel qualifications proposed as a result of a license transfer under Title 10 of the *Code of Federal Regulations* (10 CFR) 50.80, "Transfer of Licenses."

The objective of this review is to ensure that the corporate management is involved with, informed of, and dedicated to the safe design, construction, testing, and operation of the nuclear plant. In addition, the review is to ensure that sufficient technical resources have been, are being, and will continue to be provided to adequately accomplish these objectives.

The areas of review based on the type of application are as follows:

1. Design Certification

The DC review is focused on the evaluation of COL action items pertaining to the corporate level management and technical support organizations of the design organization.

2. Construction Permit and Combined License

The CP and COL review are focused on the applicant's past experience in the design and construction of nuclear power plants. Experience in activities of similar scope and complexity should also be described. The applicant's management, engineering, and technical support organizations in support of the design and construction of the facility should also be described. The description should include organizational charts for the current offsite corporate organization and the technical organizations supporting construction.

The CP-stage or COL review of the NSSS and AE organizations includes an evaluation of the ability of the technical staff of each organization to support or perform the activities specified in the application, as applicable. The information submitted should include a description of the construction activity (including its scope); an organizational description with organization charts, lines of authority, and personnel responsibilities for the project; the number of persons assigned to the project; and the qualification/experience requirements for management and staff positions for the project.

For NSSS and AE organizations with extensive experience, a detailed description of this experience may be provided in lieu of the details of their organization as evidence of technical capability. However, the applicant should describe how this experience will be applied to the project including the role and use of risk insights in risk-informed evaluations and decisionmaking.

As referenced in Standard Review Plan (SRP), Section 18.0, "[Human Factors Engineering](#)," the review criteria for the human-factors engineering (HFE) design team are provided in NUREG-0711, "Human Factors Engineering Program Review Model," Chapter 2, "[HFE Program Management](#)."

a. Design and Construction Responsibilities

The following aspects of the implementation or delegation of design and construction responsibilities should be described:

- i. Principal site-related engineering studies of the meteorology, geology, seismology, hydrology, demography, and environmental effects.
- ii. Design of plant and ancillary systems, including fire protection systems.
- ~~iii. Review and approval of plant design features, including HFE considerations, and risk informed decisionmaking consistent with the applicable approaches in Regulatory Guides (RGs) 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk Informed Decisions on Plant Specific Changes to the Licensing Basis"; 1.175, "An Approach for Plant Specific, Risk Informed Decisionmaking: Inservice Testing"; 1.177, "An Approach for Plant Specific, Risk Informed Decisionmaking: Technical Specifications"; and 1.178, "An Approach for Plant Specific Risk Informed Decisionmaking for Inservice Inspection of Piping."~~
- iii. Review and approval of plant design features, including HFE considerations
- iv. Site layout with respect to environmental effects and security provisions.
- v. Development of Safety Analysis Reports (SARs).
- vi. Material and component specification review and approval.
- vii. Procurement of materials and equipment.
- viii. Management of construction activities.
- ix. Document- control requirements to ensure retention and searchability to assure retrievability of licensing basis information and records of changes and closure of issues.

b. Preoperational Responsibilities

A description of the proposed plans for the management organization for the initial test program should include the following:

- i. Development of plans for the preoperational and startup testing of the facility.
- ii. Development and implementation of staff recruiting and training programs.
- iii. Development of plant maintenance programs.

c. The descriptions of the design and construction and preoperational

responsibilities should include the following:

- i. How these responsibilities are assigned by the headquarters staff and implemented within the organizational units.
- ii. The responsible working or performance-level organizational unit.
- iii. The estimated number of persons to be assigned to each unit with responsibility for the project.
- iv. The general educational and experience requirements for identified positions or classes of positions.
- v. How the applicant's management interfaces with the NSSS and AE organizations jointly addresses emerging risk insights as the probabilistic risk assessment matures and resolving to U.S. Nuclear Regulatory Commission (NRC) satisfaction COL items that cannot be resolved prior to issuance of a combined license as defined in DC/COL-ISG-015, ~~“Post-Combined License Commitments.”~~
- vi. Education and experience required for management and supervisory positions.
- vii. The required review of contractor work by the applicant's staff.
- viii. For identified positions or classes of positions that have functional responsibilities other than for the CP or COL application, the expected proportion of time assigned to the other activities.
- ix. Early plans for providing technical support for the operation of the facility.
- x. Document control requirements to ensure retention and searchability to assure retrievability. The compilation of controlled documents should comply with the requirements of DC/COL-ISG-011, ~~“Finalizing Licensing-Basis Information.”~~

3. Operating License or Combined License Holder - Verification through the Inspection Program

- a. Technical services and backup support for the operating organization should be available before the preoperational and startup testing program begins and continue throughout the life of the plant.

The applicant should provide the following information:

- i. Organizational charts of the applicant's corporate-level management and technical support organizations ~~with a delineation of the responsibilities for conducting risk informed evaluations and decisionmaking with appropriate higher level management involvement and approvals.~~

- ii. The relationship of the nuclear-oriented part of the organization to the rest of the corporate organization.
  - iii. A description of the provisions for technical support for operations.
  - iv. The organizational unit and any augmenting organizations, or other personnel, who will manage or execute any phase of the test program, and the responsibilities and authorities of the principal participants.
  - v. The organizational unit responsible for the compilation and control of documents to ensure searchable retrievability of design and operational documentation and associated decisionmaking documentation, correspondence, and records. The compilation of controlled documents should comply with the requirements of DC/COL-ISG-011.
  - vi. The organizational unit and any augmenting organizations, or other personnel, who will manage or execute the resolution to NRC satisfaction of COL items that cannot be resolved prior to issuance of a COL as defined in DC/COL-ISG-015, "Post-Combined License Commitments."
- b. The applicant should (1) give the approximate numbers of and describe educational and experience requirements for each identified position or class of positions providing technical support for plant operations, and (2) include specific educational and experience requirements for individuals holding the management and supervisory positions in organizational units providing support in the areas identified below:
- i. Nuclear, mechanical, structural, electrical, thermal-hydraulic, metallurgical, materials, and instrumentation and controls engineering
  - ii. Plant chemistry
  - iii. Health physics
  - iv. Refueling and refueling operations support
  - v. Maintenance support
  - vi. Operations support
  - vii. Quality assurance
  - viii. Training
  - ix. Safety review
  - x. Fire protection
  - xi. Emergency organization

- xii. Outside contractual assistance
  - c. Performance standards, as set forth in the COL, including unresolved items, as well as construction programs (including quality assurance), preoperational testing activities, and readiness of programs required during operations will be verified through the Construction Inspection Program.
4. Reviews of Operating License Transfers

An applicant for transfer of an OL should provide a description of the organization to support plant operations. The description should include:

- a. Organizational charts of the corporate-level management and technical support organizations, emphasizing the changes to be made as a result of the transfer.
- b. The relationship of the nuclear-oriented parts of the organization to the rest of the corporate organization.
- c. Description of the specific provisions which have been made for uninterrupted technical support for operations.

## II. REVIEW PROCEDURES

The review procedures are described below for the areas of review identified in Subsection I and are based on the acceptance criteria. For deviations from the acceptance criteria, the staff should review the applicant's evaluation describing the proposed alternatives to the acceptance criteria and how the alternatives provide an acceptable method of complying with the relevant NRC requirements.

In preparing to review the application, the reviewer should become familiar with the references for this SRP section.

The information submitted in the application is to be reviewed against this SRP section. The reviewer's judgment during the review is based on an inspection of the material presented, on whether items of special safety significance are involved, and on the magnitude and uniqueness of the project. Any exceptions or alternatives presented in the application should be carefully reviewed to ensure that they are clearly defined and that an adequate basis for acceptance is provided.

The applicant will identify the references, Regulatory Guides (RGs-), and codes and standards revision numbers used in their submittal. The reviewer should identify the version of references, RGs, and codes and standards used in their review.

- 1. In reviewing and evaluating the information related to the management and technical support organization, the following points should be considered:
  - a. The applicant's plans for corporate staffing to provide management and technical support may not be fully developed and staffed. It is acceptable if these plans are not fully developed, provided that the applicant either makes an FSARFinal Safety Analysis Report commitment or includes a license condition to ensure that

the responsibility will be met. The management and technical support staffing plan can be verified during the Construction Inspection Program

- b. There are several ways to define and delegate job responsibilities. Variations in staffing are to be expected between applicants. The reviewer should be alert to the possibility that excessive workloads may be placed on too few individuals. Interface arrangements and controls between the applicant and major contractors (NSSS vendors, architect-engineer, and constructors) should be evaluated to ensure that the applicant will oversee and be responsible for design and construction activities.

If the application is for more than one unit, the reviewer should ensure that headquarters staffing plans take this fact into account. This is particularly important if additional units are scheduled to come on line at intervals of a year or less, as preoperational testing, fuel load, and startup testing of a new plant will produce quite heavy workloads. In some cases the applicant may plan to bolster the plant staff organization during such periods so that it may be necessary to evaluate headquarters staffing plans in conjunction with plant staffing plans.

- c. The reviewer should assess the degree of participation during the design and construction phases by the headquarters group that typically has plant operating responsibility. Interfaces between this group and contractors/vendors with design and construction responsibilities should be examined. Interfaces should be examined between this group and groups with project engineering responsibilities. The mechanism employed to ensure that the applicant's headquarters is involved in ~~in-risk-informed~~ decisionmaking that impacts the safety of the plant design as it is being constructed and the retention of design and construction documentation and related records of decisionmaking and approvals should be examined.
- d. If the applicant has experience in the operation of a previously licensed nuclear power plant, the reviewer may seek independent information about the applicant's headquarters staffing and qualifications through the appropriate NRC regional office.

2. The review procedures for this section consist of the following:

- a. An examination of the information submitted to determine that all areas identified above in Subsection I, ~~"Areas of Review,"~~ have been addressed.
- b. A comparison of the information submitted with the acceptance criteria of Subsection III, ~~"Acceptance Criteria."~~
- c. A review of information provided by the NRC regional office position statement on the applicant's organizational and administrative commitments made in the SAR, if applicable.
- d. Verification, through the Construction Inspection Program, of the management structure and technical resources/capabilities of the corporate headquarters and

the site staff.

Based on the above, the reviewer will determine the overall acceptability of the applicant's management and technical support organization and staffing plans.

For OL transfers, the existing organization was found acceptable as part of the initial licensing review. Therefore, the review in support of a license transfer should focus on the organizational changes proposed as a result of the transfer. The reviewer should ensure that the proposed changes will result in an organization that will continue to meet the relevant review criteria. For reviews of COL applications, the reviewer should follow the above procedures to verify that the design, as set forth in the DC safety evaluation report, and if applicable, the site interface requirements, meet the acceptance criteria. With respect to a COL application, the scope of the review is dependent of whether the COL applicant references a DC, an early site permit (ESP) or other NRC-approved material, applications, and/or reports. In addition, as the application may be received prior to establishment of the actual operating organization, implementation of commitments made by the applicant can be evaluated after issuance of the COL as part of the Construction Inspection Program.

### III. ACCEPTANCE CRITERIA

1. Acceptance criteria are based on meeting the relevant requirements of the following Commission regulations:

- 10 CFR ~~50~~Part 50, Appendix B
- 10 CFR 50.34(a)(6) and (9)
- 10 CFR 50.34(b)(6)(i), (ii), (iii), and (iv)
- 10 CFR 50.34(f)(3)(vii)
- 10 CFR 50.40(b)
- 10 CFR 50.48(a)(1)(ii)
- 10 CFR 50.71
- 10 CFR 50.80, as applicable
- 10 CFR 52.47(a)(7)
- 10 CFR 52.79(26), (27), (28, and (29)(i)

The acceptance criteria are designed to meet 10 CFR 50.40(b) for all CP, OL, and COL reviews and to meet 10 CFR 50.80 for all license transfer reviews. As necessary for COL reviews, implementation of methods designed to meet the acceptance criteria may be verified through the Construction Inspection Program.

In addition, acceptance criteria for the review and evaluation of the management and technical organizational structure for OL and COL applicants is based on the guidelines of Three Mile Island (TMI) Action Plan Item I.B.1.2, originally described in NUREG-0694 "TMI-Related Requirements for New Operating Licenses."

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Specific criteria are as follows:

- a. As demonstrated on organizational charts, in descriptions of organizational functions and responsibilities, and in descriptions of position functions and responsibilities, the applicant:
  - i. has identified and described the organizational groups and individual positions responsible for implementing all aspects of the project, including those groups and individual positions responsible for implementing the initial test program and providing technical support for the operation of the facility;
  - ii. has described how the organization provides for the integrated management of activities that support the construction, operation, and maintenance of the facility;
  - iii. has described how it will obtain personnel with sufficient experience to provide management and technical support for the facility;
  - iv. has described how it will carry out its responsibilities to conduct the initial test program, provide sufficient technical support for all aspects of the project, and safely operate of the facility;
  - v. has provided reasonable assurance that the organization designated as being responsible for the initial test program, can collectively provide staff, and add staff on a case-by-case basis, with the skill and experience necessary to develop and conduct the initial test program, and provide technical support for the operation of the facility;
  - vi. has described how the plant's operating and technical staff will be utilized in developing, conducting, and participating in the initial test program, in reviewing test results and the plan--specific test- program training;
  - vii. has described how the organization will carry out its responsibilities to control major contractors and has committed to consider safety first, with due consideration of risk insights, in design and construction of the facility and during the transition from construction through testing to operation; and
  - viii. has described the role and function of the AE and the NSSS vendors during design and construction and has described organizational controls over the project-related activities of the AE and NSSS vendors including preservation of documentation.
- b. The corporate officer responsible for nuclear activities should be identified and a commitment made by the applicant that this individual will have no ancillary responsibilities that might detract attention from nuclear safety matters.
- c. Design and construction responsibilities, for applicant and vendor personnel,

should be defined both in numbers of personnel and necessary position qualifications and experience.

- d. Management and organizational responsibilities are clearly defined to address HFE considerations.
  - e. The organizational units involved in the design and construction of the project communicate ~~fully and frankly~~ among each other in a searchable and retrievable documented form, and management clearly and unambiguously controls the project and its documentation. Clear management control and effective lines of authority and communication exist among the organizational units involved in managing, operating, and providing technical support for the facility. There is clear management control of the organizational units involved in operating and providing technical support for the facility, and there are clear lines of authority between management and these groups and effective communication among them and with management.
  - f. The applicant has committed that the experience and qualifications of members of the management and technical support organizations meet or exceed those endorsed by RG 1.8-, “Qualification and Training of Personnel for Nuclear Power Plants.”
  - g. The applicant has identified plans related to the organizational, staffing, and management structure responsible for the design and construction of the nuclear facility, to ensure that the staff has complete and accurate information for its review and in accordance with the requirements of 10 CFR 50.34(f)(3)(vii).
2. Review Interfaces

Other SRP sections interface with this section as follows:

- a. Organizational structure and personnel qualifications and experience under SRP Sections 13.1.2 and 13.1.3, ~~16.0, and 16.1.~~ “Operating Organization,” 16.0, “Technical Specification,” and 16.1, “Risk-informed Decision Making: Technical Specifications.”
- b. Training of licensed operators and non-licensed staff under SRP Section 13.2.
- c. Procedure adequacy under SRP Section 13.5.
- d. Organizational provisions for independent reviews and verifications under SRP Section 17.5-, “Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants.”
- e. Use of HFE principles under SRP Section 18.0.

In addition, the organization responsible for human performance reviews will coordinate with other organizations’ evaluations that interface with the overall review of the management and technical support organizations as follows:

- f. The organization responsible for emergency planning will review the emergency organization as part of its review for SRP Section 13.3-, “Emergency Planning.”
- g. The organization responsible for health physics will review the radiation protection organization as part of its review for SRP Section 12.5-, “Operational Radiation Protection Program.”
- h. The organization responsible for physical security will review the security organization as part of its review for SRP Section 13.6-, “Physical Security.”
- i. The organization responsible for quality assurance will review the quality assurance organization as part of its review for SRP Sections 17.1, ~~17.2~~, “Quality Assurance During the Design and Construction Phases,” 17.2, “Quality Assurance During the Operations Phase,” and 17.5.
- j. The organization responsible for quality assurance will review the organization of the independent review body as part of its review for SRP Chapter 17.5.
- k. The organization responsible for fire protection will review the fire protection program organization as part of its review responsibility for SRP Chapter 9.5.1.1-, “Fire Protection Program.”

### 3. Technical Rationale

Compliance with the relevant requirements of 10 CFR 50.34, “Contents of Applications; Technical Information”, 10 CFR 50.40, “Common Standards”, 10 CFR 50.48, “Fire Protection”, and 10 CFR Part 50, “Domestic Licensing of Production and Utilization Facilities,” Appendix B, “Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants,” requires the applicant to be technically qualified to engage in activities associated with the design, construction, and operation of a nuclear power plant in accordance with the regulations in 10 CFR Part 50.

Compliance with the relevant requirements of 10 CFR 52.47, “Contents of Applications; Technical Information,” and 10 CFR 52.79, “Contents of Applications; Technical Information in a Final Safety Analysis Report,” requires the applicant to have the technical qualifications to engage in the proposed activities in accordance with the regulations in 10 CFR Part 52, “Licenses, Certifications, and Approvals for Nuclear Power Plants.”

Compliance with the relevant requirements of 10 CFR 50.80 requires that the applicant for a license transfer be technically qualified to hold the license.

The management and technical support organizations established by the applicant to oversee the design and construction of a nuclear power plant provide valuable insights into the corporate management's understanding of its safety role in the design, construction, operation, and maintenance of the facility. Those insights help determine that an applicant is technically qualified by ensuring that the applicant addresses appropriate considerations in establishing general qualification requirements and staffing levels for all key positions on which the safety of the facility depends.

Meeting the requirements of 10 CFR 50.34, 10 CFR 50.40, 10 CFR 50.48, 10 CFR Part 50, Appendix B, 10 CFR 52.47, 10 CFR 52.79, and 10 CFR 50.80, as applicable, provides assurance that the applicant is technically qualified to engage in the proposed activities and has established the necessary management and technical support organizations to safely design, construct, operate, and maintain the facility.

#### IV. EVALUATION FINDINGS

The reviewer verifies that the applicant has provided sufficient information and that the staff's technical review and analysis support conclusions of the following type to be included in the staff's SER. The reviewer also states the bases for those conclusions.

The staff concludes that the management and technical support organizations are acceptable and meet the requirements of 10 CFR 50.34, 10 CFR 50.40, 10 CFR 50.48, 10 CFR Part 50, Appendix B, 10 CFR 52.47, 10 CFR 52.79, and 10 CFR 50.80, as applicable. This conclusion is based on the following:

##### 1. Construction Permit and Combined License

The applicant has described clear responsibilities and definite resources for the design and construction of the facility and has described its plans for managing the project and utilizing the NSSS vendor and AE. These plans have been reviewed and give adequate assurance that an acceptable organization has been established and that sufficient resources are available to satisfy the applicant's commitments for the design and construction of the facility. These findings contribute to the judgment that the applicant complies with the requirements of 10 CFR 50.34, 10 CFR 50.40, 10 CFR 50.48, 10 CFR Part 50, Appendix B, 10 CFR 52.47, 10 CFR 52.79, and 10 CFR 50.80, as applicable; that is, the applicant is technically qualified to engage in design and construction activities.

For COL reviews, the findings will also summarize (to the extent that the review is not discussed in other [Safety Evaluation Report \(SER\)](#) sections) the staff's evaluation of the inspections, tests, analyses, and acceptance ~~criteria~~[criteria](#) (ITAAC), including design acceptance criteria, as applicable, and interface requirements and combined license action items relevant to this SRP section.

##### 2. Operating License and Combined License

The applicant has described its organization for the management of, and its means of providing, technical support for the plant staff during operation of the facility. These measures have been reviewed and it is concluded that the applicant has an acceptable organization and adequate resources to provide offsite technical support for the operation of the facility under both normal and off-normal conditions.

##### 3. Operating License Transfers

The applicant has described its organization for managing and its means of providing, technical support to the plant staff for operation of the facility after the license transfer. These measures have been reviewed and it is concluded that the applicant has an acceptable organization and adequate resources to provide offsite technical support for

the operation of the facility under both normal and off-normal conditions.

#### 4. Design Certification

For DC and COL reviews, the findings will also summarize (to the extent that the review is not discussed in other SER sections) the staff's evaluation of the ITAAC, including design acceptance criteria, as applicable, and interface requirements and combined license action items relevant to this SRP section.

In addition to the finding based on the type of application, the SER should also state the following:

These findings contribute to the judgment that the applicant complies with the requirements of 10 CFR 50.40(b) and 10 CFR 50.80, as applicable. That is, the applicant is technically qualified to operate a nuclear power plant; and that the applicant will have the necessary managerial and technical resources to support the plant staff in the event of an emergency; and that the applicant has identified the organizational positions responsible for fire protection matters and delegated the authorities to these positions to implement fire protection requirements.

#### V. IMPLEMENTATION

The staff will use this SRP section in performing safety evaluations of DC applications and license applications submitted by applicants pursuant to 10 CFR Part 50 or 10 CFR Part 52. Except when the applicant proposes an acceptable alternative method for complying with specified portions of the Commission's regulations, the staff will use the method described herein to evaluate conformance with Commission regulations.

The methods described in this section will be used in evaluations of submittals in connection with applications for CPs, DCs, OLs, COLs, and license transfers.

#### VI. REFERENCES

1. ~~10 CFR Part 50, "U.S. Code of Federal Regulations, "Domestic Licensing of Production and Utilization Facilities."~~ Part 50, Chapter 1, Title 10, "Energy."
2. ~~10 CFR Part 52, U.S. Code of Federal Regulations, "Licenses, Certifications, and Approvals for Nuclear Power Plants,"~~ Part 52, Chapter 1, Title 10, "Energy."
3. U.S. Nuclear Regulatory Commission, NUREG-0660, "NRC Action Plan Developed as a Result of the TMI-1 Accident."
4. U.S. Nuclear Regulatory Commission, NUREG-0694, "TMI-Related Requirements for New Operating Licenses."
5. U.S. Nuclear Regulatory Commission, NUREG-0711, "Human Factors Engineering Program Review Model."
6. U.S. Nuclear Regulatory Commission, NUREG-0718, "Licensing Requirements for

Pending Applications for Construction Permits and Manufacturing License:”

7. [U.S. Nuclear Regulatory Commission](#), NUREG-0737 and Supplement 1, “Clarification of TMI Action Plan Requirements.”
8. [U.S. Nuclear Regulatory Commission](#), NUREG-1791, “Guidelines for Assessing Exemption Requests from the Nuclear Power Plant Licensed Operating Staff Requirements Specified in 10 CFR 50.54(m) - Final Report.”
9. [U.S. Nuclear Regulatory Commission](#), NRC Inspection Manual Chapter IMC-2504, “Construction Inspection Program - Non-ITAAC Inspections,” issued October 15, 2009.
10. ~~RG 1.8,~~ [U.S. Nuclear Regulatory Commission](#), “Qualification and Training of Personnel for Nuclear Power Plants,” [Regulatory Guide 1.8](#).
11. ~~RG 1.28,~~ [U.S. Nuclear Regulatory Commission](#), “Quality Assurance Program Criteria (Design and Construction),” [Regulatory Guide 1.28](#).
12. ~~RG 1.33,~~ [U.S. Nuclear Regulatory Commission](#), “Quality Assurance Program Requirements (Operation),” [Regulatory Guide 1.33](#).
13. ~~RG 1.68,~~ [U.S. Nuclear Regulatory Commission](#), “Initial Test Programs for Water-cooled Nuclear Power Plants,” [Regulatory Guide 1.68](#).
- ~~14. RG 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk-Informed Decisions on Plant-Specific Changes to the Licensing Basis."~~
- ~~16. RG 1.175, " An Approach for Plant-Specific, Risk-Informed Decisionmaking: Inservice-Testing."~~
- ~~18. RG 1.177, " An Approach for Plant-Specific, Risk-Informed Decisionmaking: Technical Specifications."~~
- ~~20. RG 1.178, "An Approach for Plant-Specific Risk-Informed Decisionmaking for Inservice-Inspection of Piping."~~
- ~~22-14.~~ [RG 1.206,](#) [U.S. Nuclear Regulatory Commission](#), “Combined License Applications for Nuclear Power Plants (LWR Edition),” [Regulatory Guide 1.206](#).
- ~~23. DC/COL ISG 11, “Finalizing Licensing Basis Information.” ML092890623.~~
- ~~24. DC/COL ISG 11, “Post-Combined License Commitments.” ML091671355.~~

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**PAPERWORK REDUCTION ACT STATEMENT**

The information collections contained in the draft Standard Review Plan are covered by the requirements of 10 CFR Part 50 and 10 CFR Part 52, and were approved by the Office of Management and Budget, approval number 3150-0011 and 3150-0151.

**PUBLIC PROTECTION NOTIFICATION**

The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid OMB control number.

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**SRP Section 13.1.1  
Description of Changes**

**Section 13.1.1 - Management and Technical Support Organization**

This revision of SRP Section 13.1.1 has been restructured and reorganized to clarify staff guidance. To this end, while this guidance has been significantly revised, it does not contain new staff positions. A listing of detailed changes to this section from its previous revision has thus been omitted.