

**FINAL OMB SUPPORTING STATEMENT SUPPLEMENT 1
OMB CLEARANCE 3150-0155**

**DESCRIPTION OF REQUIREMENTS UNDER
10 CFR PART 54**

Title 10, Part 54, of the *Code of Federal Regulations* (10 CFR Part 54) establishes nuclear power plant operating license renewal requirements. Information collection requirements in this part describe; (a) application procedures, (b) information an applicant must submit for the U.S. Nuclear Regulatory Commission (NRC) review so that the NRC can determine whether the information meets requirements, and (c) record-keeping requirements. In 10 CFR, Sections 54.13, 54.15, 54.17, 54.19, 54.21, 54.22, 54.23, 54.33, and 54.37 describe the specific information collections. Details on each collection and its underlying reasons follow.

Section 54.13 states information completeness and accuracy requirements. Specifically, Paragraph (b) requires each applicant to notify the Commission of information identified by the applicant as having, for the regulated activity, significant implication for public health and safety or the common defense and security. Such notification must be made within two working days of identifying the information. The NRC needs this information so that it may take appropriate actions, as required, to protect the public's health and safety. Applicants will report this information as necessary to comply with the regulation.

Section 54.15 permits the NRC, in accordance with 10 CFR 50.12, to grant exemptions from 10 CFR Part 54 requirements. The Commission, upon application by any interested person or upon its own initiative, may grant the exemptions. The NRC requires the information so that it can determine whether an exemption is warranted.

Section 54.17 states requirements for renewal application filing:

- Paragraph (a) requires the filing to be in accordance with Subpart A of 10 CFR Part 2 and 10 CFR 50.4 and 50.30. This section establishes the procedural aspects for the filing whereas 10 CFR 54.19, 54.21, 54.22 and 54.23 address information to be included in the application, as described below.
- Paragraph (g) requires the license renewal applicant to agree in writing that it will not permit any individual access to Restricted Data or classified National Security Information until an investigation has been approved for such access under the provisions of 10 CFR Parts 25 and/or 95. This information is necessary to assist the Commission in determining that permitting such persons access to Restricted Data or classified National Security Information will not endanger the common defense and security. OMB Clearance Nos. 3150-0046, 3150-0050, 3206-0007, 3150-0026, 3150-0049, 3150-0051 cover information collection for 10 CFR Part 25, and OMB Clearance No. 3150-0047 covers information collection for 10 CFR Part 95. An applicant will report this information once per renewal application submission.

Section 54.19 states the general information required in the application:

- Paragraph (a) requires license renewal applicants to provide the information specified in 10 CFR 50.33(a) through (e), (h), and (i); the application may incorporate this information

by reference. The NRC needs this information to establish the continued validity, during the renewal term, of general information applicable during the original license. An applicant will report this information once per renewal application submission.

- Paragraph (b) requires each renewal application to include conforming changes to the standard indemnity agreement in 10 CFR 140.92, Appendix B. This information is necessary to account for the expiration term of the proposed renewed license. An applicant will report this information once per renewal application submission.

Section 54.21 states requirements for the application's technical information:

- Paragraph (a) requires an integrated plant assessment to identify and list those systems, structures, and components (SSCs) subject to an aging management review. The integrated plant assessment must describe and justify the methods used to identify those SSCs. The NRC needs this information to be able to conclude that additional aging management attention is directed to SSCs that require it because they are important and can undergo age-related degradation during the renewal term. The integrated plant assessment must also demonstrate the adequacy of actions taken or to be taken to manage the detrimental effects of aging. The NRC needs this information to be satisfied that the actions will be effective in assuring the continued safe operation of the plant. An applicant will report this information once per renewal application submission.
- Paragraph (b) requires the application to contain current licensing basis changes which occur during NRC review of the application. Each year following submittal of the license renewal application and at least three months before scheduled completion of the NRC review, the applicant must submit an amendment to the renewal application that identifies any change to the facility's current licensing basis that materially affects the contents of the license renewal application, including the final safety analysis report (FSAR) supplement. The NRC needs this information to determine the acceptability of these changes from the pertinent safety standpoints. An applicant will report this information as necessary while NRC completes its review of the application.
- Paragraph (c) requires the application to contain an evaluation of time-limited aging analyses (TLAAs) for SSCs. The applicant must list the TLAAs that conform to the definition in 10 CFR 54.3 and demonstrate that the analyses remain valid for the period of extended operation, the analyses have been projected to the end of the period of extended operation, or the effects of aging on the intended function(s) will be adequately managed for the period of extended operation. The NRC needs this information to determine whether those SSCs meet the requirements for license renewal. This section also requires a list of all plant-specific exemptions granted pursuant to 10 CFR 50.12 and in effect that are based on TLAAs as defined in 10 CFR 54.3. The applicant must provide an evaluation that justifies the continuation of these exemptions for the period of extended operation. The NRC needs this information to justify whether to continue these exemptions. An applicant will report this information once per renewal application submission.
- Paragraph (d) requires the application to include an FSAR supplement for the facility which must contain a summary description of the programs and activities for managing the effects of aging and the evaluation of TLAAs for the period of extended operation as determined by 10 CFR 54.21(a) and (c), respectively. The NRC needs this information to

determine whether the licensee's actions for managing the effects of aging provide reasonable assurance that the facility's operations during the period of extended operation can be conducted without endangering public health and safety. An applicant will report this information once per renewal application submission.

Section 54.22 requires the application to include any technical specification changes or additions necessary to manage the effects of aging during the period of extended operation. The justification for these changes or additions must also be contained in the application. The NRC needs this information to determine the acceptability of these changes from pertinent safety standpoints. An applicant will report this information once per renewal application submission.

Section 54.23 states the environmental information required in the application. This information is required to be a supplement to the environmental report that complies with 10 CFR Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," Subpart A, "National Environmental Policy Act – Regulations Implementing Section 102(2)." The NRC requires this information to determine the acceptability of the environmental consequences of the facility's continued operation during the renewal term. OMB Clearance No. 3150-0021 covers the burden for this environmental information collection. An applicant will report this information once per renewal application submission.

Section 54.33 states license renewal conditions. Specifically, paragraph (c) requires each renewal application to include those conditions to protect the environment that were imposed pursuant to 10 CFR 50.36(b) and that are part of the facility's current licensing basis at the time the NRC issues the renewed license. The NRC requires this information to protect the environment during the term of the renewed license. OMB Clearance No. 3150-0011 covers information collection for 10 CFR 50.36(b), and OMB Clearance No. 3150-0021 covers the burden for this environmental information collection as it relates to license renewal.

Section 54.37 states additional records and record keeping requirements:

- Paragraph (a) requires holders of renewed licenses to retain in an auditable and retrievable form, for the term of the renewed operating license, all information and documentation required to document compliance with 10 CFR Part 54. The NRC needs access to this information for continuing effective regulatory oversight.
- Paragraph (b) requires licensees, after the NRC issues the renewed license, to include in the FSAR update required by 10 CFR 50.71(e), any newly identified SSCs that would have been subject to an aging management review or evaluation of TLAAs in accordance with 10 CFR 54.21. This FSAR update must describe how the effects of aging will be managed such that the intended function(s) will be effectively maintained during the period of extended operation. The FSAR update contains information on all of the changes made by the licensee to the plant since submission of the original FSAR or, as appropriate, since submission of the last FSAR. The NRC needs access to this information for continuing effective regulatory oversight. Renewed license holders will report this information as necessary to comply with the regulation.