

**From:** Samson Lee **ML011210117**  
**To:** David Tung  
**Date:** 4/30/01 11:30AM  
**Subject:** SMiRT-16 Abstract Sheet: License Renewal Guidance Documents

Dr. Tung:

Per your discussion with Rani, she prepared the attached 16th International Conference on Structural Mechanics in Reactor Technology (SMiRT-16) Abstract Sheet (PDF and WordPerfect files) for our paper (No. 1791, Division D) that was submitted on February 27, 2001. This Abstract Sheet has been reviewed by our supervisor, P.T. Kuo. Thanks for your assistance.

Thanks,  
Sam

>>> "David Tung" <tung@eos.ncsu.edu> 04/13/01 10:06AM >>>  
Dear Mr.Lee:

We have examined the referenced manuscript. Below is a list of 19 missing items and editorial changes. The ones that you are asked to pay attention to are:1,2,10. All future correspondences relating to the manuscript should be sent to me. My email address is [tung@eos.ncsu.edu](mailto:tung@eos.ncsu.edu), phone number is 919-515-7695, and fax number is 919-515-5301.

Please note the following:

1. Format of abstract sheet should be the same as that of manuscript
2. Full revised abstract and manuscript must be provided ( not just inserts of pages revised ) by May 31, 2000.
3. Follow the instructions for preparation of manuscript and the sample manuscript given on the web.
4. If you have not paid the registration fee, please do so.

List:

1. Cover sheet missing.
2. Abstract sheet missing.
3. Length of manuscript must not exceed 8 pages.
4. Paper title, authors and affiliations, headings and secondary headings- flush left.
5. Use upper case for title and headings; use upper case for first letter of all words of secondary headings.
6. Use proper margins.

7. Use proper indentation.
8. Use proper Times New Roman point for title, headings, secondary headings and text.
9. Number pages in bottom margin centered.
10. Use proper space between lines, between heading and the first line below, between the secondary heading and the first line below, and between paragraphs.
11. Improve quality of figures.
12. Do not label abstract sheet.
13. Do not use footnote.
14. Do not give keywords.
15. Do not number page of abstract sheet.
16. Center and number equations-flush right.
17. Do not use 'et al' or 'and others' in reference list.
18. Use proper reference format.
19. Use figure caption at bottom of figure and table title at top of table.

**CC:** ptk; Rlw2; teb

# License Renewal Guidance Documents

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## ABSTRACT

This paper discusses three license renewal regulatory guidance documents developed to describe interrelated aspects of preparing and reviewing license renewal applications: the Generic Aging Lessons Learned (GALL) report, the Standard Review Plan for License Renewal (SRP-LR), and the Regulatory Guide for License Renewal (RG-LR) which endorses the Nuclear Energy Institute (NEI) document 95-10, NEI's industry guideline for implementing the requirements of 10 CFR Part 54 (The License Renewal Rule). The purpose of the paper is to explain how to use the guidance documents singularly and together to facilitate the renewal process - from application development through NRC staff review.

### **The Standard Review Plan for License Renewal (SRP-LR), NUREG-1800**

The NRC uses standard review plans to process licensing actions. Standard review plans specify the quality requirements for performing licensing review activities and provide a framework to ensure that staff reviews are conducted uniformly. Standard review plans provide guidance to NRC staff performing application reviews. This standardized guidance ensures that the staff reviews license renewal applications consistently. It defines the depth and breadth of the review of an application and presents a well-defined approach for evaluating aging management programs and activities. The SRP-LR also gives the nuclear power industry and the public information on the license renewal review process. Applicants are not required to follow the SRP-LR format or meet the review criteria, but the guidance facilitates staff reviews. The SRP-LR focuses the NRC review on areas where the GALL report recommended that existing programs be augmented or new programs be established for license renewal.

### **The Generic Aging Lessons Learned (GALL) Report, NUREG-1801**

In reviewing the initial license renewal applications, the staff determined that the applicants relied on many existing programs to manage the effects of aging on the functionality of structures and components in the period of extended operation. In an effort to provide credit for existing programs, the Commission directed the staff to undertake a complete review of common existing plant programs to determine which programs would be adequate to manage aging effects without change and which programs should be augmented. The staff incorporated lessons learned from the recently completed and ongoing application reviews. The GALL report will be updated as needed to reflect new programs and operating experience. By documenting staff evaluations of generic existing programs and the staff's basis for determining the adequacy of those programs, the staff can focus its efforts on existing programs that warrant augmentation, new programs, or plant-specific consideration. Use of the GALL report is not required, and an applicant is free to submit aging management programs that are not included in the GALL report with justification. However, an applicant will decrease the volume of an application and the review time of the staff by referencing the GALL report where appropriate.

### **RG-LR and Industry Guidance - NEI 95-10**

Regulatory Guides are used to communicate acceptable methods for meeting NRC regulatory requirements to the nuclear industry and the public. However, the industry may use alternative methods for meeting regulatory requirements. NEI developed NEI 95-10, "Industry Guidelines for Implementing the Requirements of 10 CFR Part 54 - The License Renewal Rule," to provide the industry with guidelines for preparing a license renewal application. The guidance was developed to ensure that an application contains information necessary for the NRC to determine whether the applicant adequately manages aging and should a renewed operating license be issued. The NEI document describes a two-phase approach to developing a license renewal application. The first phase consists of technical evaluations; the second phase is preparing the license renewal application. The NRC staff endorsed NEI 95-10, Revision 3, in Regulatory Guide 1.188 (the RG-LR).