



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, DC 20555 - 0001**

March 28, 2016

The Honorable Stephen G. Burns  
Chairman  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**SUBJECT: SUMMARY REPORT – 632<sup>nd</sup> MEETING OF THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS, MARCH 3-5, 2016**

Dear Chairman Burns:

During its 632<sup>nd</sup> meeting, March 3-5, 2016, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the following reports:

**REPORTS**

Reports to Stephen G. Burns, Chairman, NRC, from Dennis C. Bley, Chairman, ACRS:

- “Non-Power Production or Utilization Facilities Proposed License Renewal Rulemaking,” dated March 15, 2016
- “Closure of Fukushima Tier 3 Recommendations Related to Containment Vents, Hydrogen Control, and Enhanced Instrumentation,” dated March 15, 2016

**HIGHLIGHTS OF KEY ISSUES**

1. Meeting with the Commission

On March 4, 2016, the Committee met with the Commission to discuss the following topics:

- Overview
- Draft Final Rule for 10 CFR 50.46c, “Emergency Core Cooling System Performance During Loss-of-Coolant Accidents”
- Maximum Extended Load Line Limit Analysis Plus (MELLLA+)
- Plans for Resolving Fukushima Near-Term Task Force Tier 2 and 3 Recommendations

2. Report on “Non-Power Production or Utilization Facilities Proposed License Renewal Rulemaking,” dated March 15, 2016

The Committee met with representatives of the NRC staff to discuss the Non-Power Production or Utilization Facilities (NPUF) proposed license renewal rulemaking. The staff discussed the purposes of the proposed NPUF rule: 1) Implement Commission direction to streamline the license renewal process by establishing a more efficient, effective, and focused regulatory framework and 2) Fix existing short comings in regulations for non-power licensees.

Committee Action

The Committee issued a report to Chairman Burns on this matter dated, March 15, 2016, recommending that the staff should proceed with the proposed NPUF rulemaking.

3. Closure of Fukushima Tier 3 Recommendations Related to Containment Vents, Hydrogen Control, and Enhanced Instrumentation

The Committee met with the NRC staff to discuss the staff’s proposed plans for closure of the Fukushima Near Term Task Force Tier 3 recommendations related to containment vents, hydrogen control, and enhanced instrumentation. The staff discussed the related White Paper and enclosures documenting its proposed closure plans and conclusions.

Committee Action

The Committee issued a letter report to the NRC Chairman on this matter, dated March 15, 2016, with the following conclusion and recommendations: 1) No further regulatory action is warranted for closure of the Fukushima Near Term Task Force Tier 3 recommendations related to containment vents, hydrogen control, and enhanced instrumentation, 2) The staff should perform a more complete examination of the mechanisms and pathways for unmitigated releases of hydrogen from each major containment design into surrounding structures and the consequences of hydrogen combustion, and 3) The staff should continue to participate on standards committees, revise applicable regulatory guidance, and actively engage in ongoing activities that are examining needs for enhanced severe accident instrumentation.

RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS

- The Committee considered the Executive Director for Operations’ response of January 22, 2016, to a conclusion and recommendations included in the December 14, 2015 ACRS letter on “Report on the Safety Aspects of the Duke Energy Carolinas, LLC, Combined License Application for William States Lee III Nuclear Station, Units 1 and 2.” The Committee was satisfied with the Executive Director for Operations’ response.

SCHEDULED TOPICS FOR THE 633<sup>rd</sup> ACRS MEETING

The following topics are scheduled for the 633<sup>rd</sup> ACRS meeting, to be held on April 7-9, 2016:

- AP1000 Generic Design Changes
- Regulatory Guide 1.229, "Risk-Informed Approach for Addressing the Effects of Debris on Post-Accident Long-Term Core Cooling"
- Spent Fuel Storage and Transportation
- Biennial Review and Evaluation of the NRC Safety Research Program

Sincerely,

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Dennis C. Bley  
Chairman

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Dennis C. Bley  
Chairman

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