



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

January 19, 2017

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

SUBJECT: SUMMARY REPORT – 637th MEETING OF THE ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS, OCTOBER 6-7, 2016

Dear Chairman Burns:

During its 637th meeting, October 6-7, 2016, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the following report, letter, and memoranda:

REPORT

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

- “Report on the Safety Aspects of the License Renewal Application of the Grand Gulf Nuclear Station, Unit 1,” dated October 14, 2016

LETTER

Letter to Victor M. McCree, Executive Director for Operations, NRC, from Dennis C. Bley, Chairman, ACRS:

- “Review of RG 1.26, Revision 5, ‘Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants’,” dated October 17, 2016

MEMORANDA

Memoranda to Victor M. McCree, Executive Director for Operations, NRC, from Andrea D. Veil, Executive Director, ACRS:

- “Regulatory Guides,” dated October 12, 2016
 - DG-1332, “Nuclear Power Plant Instrumentation for Earthquakes”
 - DG-3050, “Spent Fuel Heat Generation in an Independent Spent Fuel Storage Installation”
 - RG-1.20, Rev. 4, “Comprehensive Vibration Assessment Program for Reactor Internals during Preoperational and Startup Testing”
 - RG 5.51, Rev. 1, “Independent Assessment of Nuclear Material Control and Accounting Systems”
 - RG 5.3, “Statistical Terminology and Notation for Special Nuclear Materials Control and Accountability” (Withdrawal)
- “Documentation of Receipt of Applicable Official NRC Notices to the Advisory Committee on Reactor Safeguards for October 2016,” dated October 12, 2016

HIGHLIGHTS OF KEY ISSUES

1. Grand Gulf License Renewal Application

The Committee met with representatives of the NRC staff and Entergy Operations, Inc. (Entergy) to discuss the Grand Gulf Nuclear Station, Unit 1 license renewal application and associated final safety evaluation report. During the meeting, Entergy provided an overview of the plant and described their aging management programs and license renewal commitments. The staff discussed closure of four open items identified in the draft safety evaluation report and concluded that the applicant had adequately addressed their concerns and closed the open items. The staff also concluded that the requirements of 10 CFR 54.29(a)(1) and (a)(2) were met for renewal of Grand Gulf Nuclear Station, Unit 1, and the operating license renewal should be approved.

Committee Action

The Committee issued a letter report to the NRC Chairman on this matter, dated October 14, 2016, with the following conclusion and recommendation: 1) The programs established and committed to by Entergy to manage age-related degradation provide reasonable assurance that Grand Gulf Nuclear Station, Unit 1 can be operated in accordance with its current licensing basis for the period of extended operation without undue risk to the health and safety of the public, and 2) Entergy's application for renewal of the operating license for Grand Gulf Nuclear Station, Unit 1 should be approved.

2. Review of Regulatory Guide 1.26, Revision 5

The Committee met with representatives of the NRC staff to discuss Regulatory Guide (RG) 1.26, Revision 5, "Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants." The staff presented background information and the proposed updates. Revision 5 contains no new technical requirements. It clarifies content, corrects errors, and provides references to related classification systems such as 10 CFR 50.69, "Risk-informed categorization and treatment of structures, systems, and components for nuclear power reactors," and to industry and international standards that may be proposed by applicants or licensees as an alternative means to comply with NRC requirements.

Committee Action

The Committee issued a letter to the EDO on this matter, dated October 17, 2016, with the following recommendations: 1) Revision 5 of RG 1.26 should be issued and 2) The next revision of RG 1.26 should be broadened to include a set of basic principles for assignment of components to each quality group.

RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS

The Committee considered the Executive Director for Operations' response of September 14, 2016, to the July 18, 2016 ACRS letter, "Report on the Safety Aspects of the License Renewal Application of the LaSalle County Station, Units 1 and 2." The Committee was satisfied with the Executive Director for Operations' response.

SCHEDULED TOPICS FOR THE 638th ACRS MEETING

The following topics are scheduled for the 638th ACRS meeting, to be held on November 3-5, 2016:

- North Anna 3 Combined License Application (COLA)
- AREVA Extended Flow Window/Monticello
- 10 CFR Part 61 Rulemaking
- Assessment of the Quality of Selected NRC Research Projects

Sincerely,

/RA/

Dennis C. Bley
Chairman

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Sincerely,

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Dennis C. Bley
Chairman

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