



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

August 15, 2012

COMSECY-12-0018

MEMORANDUM TO: Chairman Macfarlane
Commissioner Svinicki
Commissioner Apostolakis
Commissioner Magwood
Commissioner Ostendorff

FROM: Edwin M. Hackett, Executive Director /RA/
Advisory Committee on Reactor Safeguards

SUBJECT: REQUEST TO SOLICIT FOR THE APPOINTMENT OF A NEW MEMBER
ON THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
(ACRS)

The purpose of this memorandum is to request approval to begin the solicitation for a new member to replace Dr. William Shack who has indicated that he will not be available to serve a sixth term.

Dr. Shack's fifth term expires on July 31, 2013. Initiation of the solicitation process at this time should enable sufficient time for completion by summer of 2013.

Attached are a draft *Federal Register* notice and a draft Press Release that we propose to use to solicit qualified candidates for possible appointment to the ACRS.

Based on the Committee's projected workload and the changes in the committee's membership, the draft *Federal Register* notice and the draft Press Release states that the Commission is seeking individuals with at least 10 years of broad experience in one or more of the following areas: 1) materials, metallurgy and reactor fuels, 2) fracture mechanics, 3) material degradation effects on reactor safety and operation and, 4) a distinguished record of achievement in one or more areas of nuclear science and technology.

For additional information, please call me at 415-7360.

Enclosures:

1. [Draft Federal Register Notice](#)
2. [Draft Press Release](#)

SECY, Please Track

cc: SECY
EDO
OGC

Draft Federal Register Notice

U.S NUCLEAR REGULATORY COMMISSION
SEEKS QUALIFIED CANDIDATES FOR
THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

AGENCY: U.S. Nuclear Regulatory Commission

ACTION: Request for resumes.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) seeks qualified candidates for the Advisory Committee on Reactor Safeguards (ACRS). Submit resumes to Ms. Kendra Freeland, ACRS, Mail Stop T2E26, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or e-mail Kendra.Freeland@nrc.gov

SUPPLEMENTARY INFORMATION: The ACRS is a part-time advisory group, which is statutorily mandated by the Atomic Energy Act of 1954, as amended. ACRS provides independent expert advice on matters related to the safety of existing and proposed nuclear power plants and on the adequacy of proposed reactor safety standards. Of primary importance are the safety issues associated with the operation of 104 commercial nuclear power plants in the United States and regulatory initiatives, including risk-informed and performance-based regulation, license renewal, power uprates, and the use of mixed oxide and high burnup fuels. An increased emphasis is being given to safety issues associated with new reactor designs and technologies, including passive system reliability and thermal hydraulic phenomena, use of digital instrumentation and control, international codes and standards used in multinational design certifications, materials, and structural engineering, nuclear analysis and reactor core performance, and nuclear materials and radiation protection. In addition, the ACRS may be requested to provide advice on radiation protection, radioactive waste management,

and earth sciences in the agency's licensing reviews for fuel fabrication and enrichment facilities, and for waste disposal facilities. The ACRS also has some involvement in security matters related to the integration of safety and security of commercial reactors.

See NRC website at <http://www.nrc.gov/aboutnrc/regulatory/advisory/acrs.html> for additional information about ACRS. Criteria used to evaluate candidates include education and experience, demonstrated skills in nuclear reactor safety matters, the ability to solve complex technical problems, and the ability to work collegially on a board, panel, or committee. The Commission, in selecting its Committee members, considers the need for a specific expertise to accomplish the work expected to be before the ACRS. ACRS Committee members are appointed for four-year terms. The Commission looks to fill one vacancy as a result of this request. For this position, a candidate must have at least 10 years of broad experience in one or more of the following areas:

- Materials, metallurgy and reactor fuels.
- Fracture mechanics.
- Material degradation effects on reactor safety and operation.
- A distinguished record of achievement in one or more areas of nuclear science and technology.

Candidates with pertinent graduate level experience will be given additional consideration. Consistent with the requirements of the Federal Advisory Committee Act, the Commission seeks candidates with diverse backgrounds, so that the membership on the Committee is fairly balanced in terms of the points of view represented and functions to be performed by the

Committee. Candidates will undergo a thorough security background check to obtain the security clearance that is mandatory for all ACRS members. The security background check will involve the completion and submission of paperwork to NRC. Candidates for ACRS appointments may be involved in or have financial interests related to NRC-regulated aspects of the nuclear industry. However, because conflict-of-interest considerations may restrict the participation of a candidate in ACRS activities, the degree and nature of any such restriction on an individual's activities as a member will be considered in the selection process. Each qualified candidate's financial interests must be reconciled with applicable Federal and NRC rules and regulations prior to final appointment. This might require divestiture of securities or discontinuance of certain contracts or grants. Information regarding these restrictions will be provided upon request. As a part of the Stop Trading on Congressional Knowledge Act of 2012, which bans insider trading by members of Congress, their staff, and other high-level federal employees, candidates for appointments will be required to disclose additional financial transactions.

A resume describing the educational and professional background of the candidate, including any special accomplishments, publications, and professional references should be provided. Candidates should provide their current address, telephone number, and e-mail address. All candidates will receive careful consideration. Appointment will be made without regard to factors such as race, color, religion, national origin, sex, age, or disabilities. Candidates must be citizens of the United States and be able to devote approximately 100 days per year to Committee business, but may not be compensated for more than 130 calendar days. Resumes will be accepted until December 31, 2012.

Date

Annette Vietti-Cook
Secretary of the Commission

OPA

DRAFT

(Source: ACRS – Kendra Freeland)

NRC INVITES NOMINATIONS FOR THE ADVISORY COMMITTEE

ON REACTOR SAFEGUARDS

The U.S. Nuclear Regulatory Commission is seeking a qualified candidate for appointment to its Advisory Committee on Reactor Safeguards (ACRS). The ACRS is an advisory group that provides independent technical review of, and advice on, matters related to the safety of existing and proposed nuclear facilities, and on the adequacy of proposed reactor safety standards. It also advises the Commission on issues in health physics and radiation protection.

The [ACRS's](#) primary focus is on safety issues associated with the U.S. operation of 104 commercial nuclear power plants and regulatory initiatives including risk-informed and performance-based regulations, license renewal, power uprates, new reactor applications and the use of mixed oxide and high burn up fuels. In addition, the ACRS may be requested to provide advice on radiation protection, radioactive waste management and earth sciences in the agency's licensing reviews for fuel fabrication, enrichment and waste disposal facilities.

The Commission is seeking an individual with at least 10 years of broad experience in one or more of the following areas: materials, metallurgy and reactor fuels, fracture mechanics or material degradation effects on reactor safety and operations, and a distinguished record of achievement in one or more areas of nuclear science and technology.

Interested individuals should find candidate criteria and details at the corresponding *Federal Register* notice published today and available on the NRC website. Resumes will be accepted until December 31, 2012. Resumes should be sent to Ms. Kendra Freeland, ACRS, Mail Stop T2E-26, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or e-mail Kendra.Freeland@nrc.gov . For more information on the ACRS go the NRC [website](#).

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