

February 5, 2014

Mr. John W. Stetkar, Chairman
Advisory Committee on Reactor Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: ACRS ASSESSMENT OF THE QUALITY OF SELECTED NRC RESEARCH
PROJECTS – PROPOSED PROJECTS FOR FY 2014

Dear Mr. Stetkar:

Thank you for the recent Advisory Committee on Reactor Safeguards (ACRS) letter dated November 21, 2013, transmitting the ACRS report entitled, “ACRS Assessment of the Quality of Selected NRC Research Projects – FY 2013.” This annual report assists the Office of Nuclear Regulatory Research (RES) in evaluating the quality and usefulness of selected programs to support the mission of the U.S. Nuclear Regulatory Commission (NRC).

The purpose of this letter is to propose multiple candidate NRC research projects for ACRS review during FY 2014. If the ACRS finds, during their initial review of any selected projects, that a project is not able to be easily evaluated against the ACRS criteria, please let me know, so we can provide a substitute. The candidate projects are listed here for your consideration:

- NUREG/CR-7143: Characterization of Thermal-Hydraulic and Ignition Phenomena in Prototypic, Full-Length Boiling Water Reactor Spent Fuel Pool Assemblies After a Postulated Complete Loss-of-Coolant Accident, March 2013 (ML13072A056)
- NUREG/IA-0216, Vol. 3: International HRA Empirical Study – Phase 3 Report, January 2013 (ML12349A075)
- NUREG/CR-7149: Effects of Degradation on the Severe Accident Consequences for a PWR Plant with a Reinforced Concrete Containment Vessel, June 2013 (ML13172A089)
- NUREG/CR-7144: Laminar Hydraulic Analysis of a Commercial Pressurized Water Reactor Fuel Assembly, January 2013 (ML13028A415)
- NUREG/CR-7148: Confirmatory Battery Testing: The Use of Float Current Monitoring to Determine Battery State-of-Charge, November 2012 (ML12313A413)
- NUREG/CR-7171: A Review of the Effects of Radiation on Microstructures and Properties of Concrete Used in Nuclear Power Plants, November 2013 (ML13325B077)

J. Stetkar

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The RES staff values the Committee's input and will use your suggestions to further improve our programs in the future.

Sincerely,

K. Steven West for

Brian W. Sheron, Director
Office of Nuclear Regulatory Research

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Sincerely,

/RA/ K. Steven West for

Brian W. Sheron, Director
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