



NUCLEAR ENERGY INSTITUTE

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May 22, 2009

Mr. Daniel H. Dorman  
Director  
Division of Fuel Cycle Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

**Subject:** Soluble Uranium Intake Criteria Applicable to 10 CFR 70.61

**Project Number: 689**

Dear Mr. Dorman:

On behalf of the fuel cycle industry, the Nuclear Energy Institute (NEI)<sup>1</sup> submits the following revised document on proposed soluble uranium intake criteria for your further consideration and action. We appreciated the opportunity to meet with your staff on May 12, 2009 to discuss the earlier version of the document, which was transmitted to NRC via an NEI letter dated December 17, 2008.

Modifications to the December version were made based on discussions during the May meeting, and we trust that you will find the changes acceptable and responsive to your comments. As stated in our December letter, it is important to note that this document was prepared by NEI members and has been endorsed by NEI's Facility Operations Committee.

This report, "Acute Chemical Toxicity of Uranium With Application to 10 CFR 70.61," represents substantial work by industry and provides a much-needed, technically sound and industry-consensus set of criteria that can be directly applied at any facility as consequence criteria under 10 CFR 70.61. We trust that you will continue to support this conclusion and proceed accordingly. Based on the May 2009 meeting, it is our understanding that the document will be used to support the technical basis for an NRC Draft Regulatory Guide on this topic that would be issued for public comment later this year.

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<sup>1</sup> NEI is the organization responsible for establishing unified industry policy on matters affecting the nuclear energy industry, including the regulatory aspects of generic operational and technical issues. NEI's members include all entities licensed to operate commercial nuclear power plants in the United States, nuclear plant designers, major architect/engineering firms, fuel fabrication facilities, nuclear materials licensees, and other organizations and entities involved in the nuclear energy industry.

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We appreciate your timely attention to this matter and look forward to reviewing the Draft Regulatory Guide during the public comment period. If you have any questions or concerns on the contents of this letter and its enclosure, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Felix M. Killar, Jr.", written in a cursive style.

Felix M. Killar, Jr.

Enclosure

c: Mr. Pete Habighorst, U.S. Nuclear Regulatory Commission  
Mr. Yawar Faraz, U.S. Nuclear Regulatory Commission  
Mr. Sam Sherbini, U.S. Nuclear Regulatory Commission