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*Director, Used Fuel Programs*

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October 29, 2014

Mr. Aladar Csontos  
Chief, Structural Mechanics and Materials Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Materials Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**Subject:** Regulatory Issue Resolution Protocol Screening Form and Resolution Plan for Chloride-Induced Stress Corrosion Cracking (RIRP-N-10-01)

**Project Number: 689**

Dear Mr. Csontos:

On behalf of the nuclear energy industry, the Nuclear Energy Institute<sup>1</sup> is transmitting an updated version of the Regulatory Issue Resolution Protocol (RIRP) Resolution Plan form (Revision 4) for the Chloride-Induced Stress Corrosion Cracking (CISCC) issue (RIRP-N-10-01). This form has been updated to reflect the discussion held in a recent NRC public meeting held on August 5, 2014. We also want to take this opportunity to note the recent completion of a related EPRI report on Flaw Growth and Tolerance as discussed during this meeting.

The report can be downloaded at

<http://www.epri.com/abstracts/Pages/ProductAbstract.aspx?ProductId=000000003002002785&Mode=download>. The RIRP Screening form (Revision 3) remains unchanged but is also attached for completeness (the Screening Form as Attachment 1 and the Resolution Plan as Attachment 2).

The updated form reflects the latest progress made in both Electric Power Research Institute (EPRI) programs and related research sponsored by the NRC as discussed at the August 5 meeting. The specific focus of this RIRP remains to complete the Susceptibility Assessment Criteria described in the updated RIRP Resolution Plan form. EPRI has considered the questions asked in the August 5 meeting concerning crevice corrosion and has

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<sup>1</sup> The Nuclear Energy Institute (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 cycle facilities, nuclear materials licensees, and other organizations and entities involved in the nuclear energy industry.

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determined that this issue can be effectively addressed in the development of susceptibility criteria. Therefore, the industry continues to be committed to having these criteria finalized by June 15, 2015. The industry will further keep the NRC informed of subsequent plans to apply the criteria as also described in the EPRI plan.

Industry looks forward to further discussing this RIRP with NRC at our next planned meeting early in 2015. I would be happy to address any feedback the NRC may have on the updated RIRP forms. If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodney McCullum", written over a light gray rectangular background.

Rodney McCullum

#### Attachments

c: Ms. Catherine Haney, NMSS, NRC  
Mr. Mark D. Lombard, NMSS/DSFST, NRC  
Ms. Michele M. Sampson, NMSS/DSFST, NRC