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U. S. Nuclear Regulatory Commission  
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Subject: Duke Energy Carolinas, LLC (Duke)  
McGuire Nuclear Station, Units 1 and 2  
Docket Nos. 50-369 and 50-370

Update on the Status of the November 18, 2008 Request for  
Additional Information (RAI) and Additional Testing for McGuire  
Units 1 and 2 Pursuant to NRC Generic Letter (GL) 2004-02,  
"Potential Impact of Debris Blockage on Emergency  
Recirculation During Design Basis Accidents at Pressurized-  
Water Reactors"

Pursuant to the November 18, 2008 RAI letter from the Nuclear Regulatory  
Commission (NRC) and the February 16, 2009 response from Duke, Duke is  
providing an update on its RAI response plan and confirmatory conventional  
debris head loss testing (subsequently referred to herein as "testing") progress.  
Since February 2009, McGuire has continued to make progress on development  
of responses to the RAI questions using insights from teleconferences with the  
NRC. A teleconference was held on May 20, 2009 to discuss testing protocols.  
A second teleconference was held on June 17, 2009 to discuss chemical effects.

The testing at Wyle Laboratories was completed on June 25, 2009. This testing  
incorporated the guidance of the document titled "NRC Staff Review Guidance  
Regarding Generic Letter 2004-02 Closure in the Area of Strainer Head Loss and  
Vortexing" dated March 2008, as well as lessons learned from earlier testing and  
inputs from the NRC. The results from this testing are being finalized and will be  
incorporated into the RAI responses presently under development.

This testing modeled the current bounding fiber insulation configuration,  
assuming a 7D jacketed fiber Zone of Influence (ZOI) value as reported in the GL  
2004-02 supplemental responses dated February 28, 2008 and April 30, 2008.  
McGuire recognizes that some regulatory uncertainty remains in invoking the

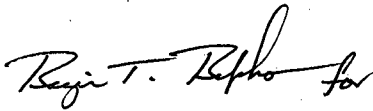
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findings of WCAP-16710-P, "Jet Impingement Testing to Determine the ZOI of Min-K and NUKON® Insulation for Wolf Creek and Callaway Nuclear Operating Plants." McGuire continues to participate with the industry in resolving these regulatory uncertainties. The RAI questions concerning this issue and others will be discussed with the NRC as described below.

On June 23, 2009, the NRC conducted a public meeting to provide the status and path forward on Generic Safety Issue (GSI) 191. Duke will follow the process of conducting telecons with the NRC, as discussed in the June 23<sup>rd</sup> meeting, prior to submitting the responses to the RAIs. Duke is currently working with the NRC Project Manager to plan these series of telecons, including a follow-up to the June 17, 2009 teleconference associated with the subject of chemical effects.

Questions regarding this update should be directed to P. T. Vu at (980) 875-4302.

Very truly yours,



Bruce H. Hamilton

xc:

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