



NuStart Energy<sup>sm</sup>

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November 17, 2005

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U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Attn.: Mr. David B. Matthews, Division of New Reactor Licensing  
New, Research and Test Reactors Programs

**SUBJECT:** NuStart Energy Plans for Submitting Combined License  
Applications

**REFERENCE:** Letter from M. C. Kray to W. D. Beckner; NuStart Energy Plans for  
Submitting a Combined License Application; dated December 7,  
2004

Dear Mr. Matthews:

The above reference letter announced NuStart Energy Development, LLC's<sup>1</sup> intention to prepare and submit to the NRC at least one combined construction and operating license (COL) application. We further stated that depending on the outcome of site selection efforts and the availability of funding, NuStart would be submitting two COL applications, one for each the Westinghouse Advanced Passive (AP) 1000 and the General Electric Economic Simplified Boiling Water Reactor (ESBWR) (collectively, the "Reactor Vendors"). The purpose of this letter is to advise the NRC that NuStart will be preparing two COL applications.

Since the time of our referenced letter, NuStart has made significant progress. We have reached a Cooperative Agreement with the Department of Energy (DOE) for a cost sharing arrangement under the DOE's *Nuclear Power 2010* program. We continue to work with the DOE for ongoing approval of project scope and budget. In addition to establishing funding, NuStart conducted a comprehensive screening and evaluation of candidate sites that resulted in meeting our September 2005 milestone to select the sites for the COL applications. We have also initiated various other tasks in support of our COL objectives, and are working with each of the Reactor Vendors as they complete the design for their respective technologies.

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<sup>1</sup> The NuStart Energy Development, LLC member companies are: Constellation Generation Group, LLC, Duke Energy Corporation, EdF-International North America, Inc., Entergy Nuclear, Inc., Exelon Generation Company, LLC, Florida Power & Light Company, Progress energy, and Southern Company Services, Inc.

Add: David Matthews  
W.D. Beckner  
L.A. Dudes

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NuStart is preparing a dual unit, COL application for Tennessee Valley Authority's Bellefonte site in Hollywood, Alabama, which will be based on the Westinghouse AP1000 design. NuStart anticipates submitting the COL application to the NRC during the fourth quarter 2007.

NuStart is also preparing a COL application for Entergy's Grand Gulf site in Port Gibson, Mississippi, which will be based on a single unit General Electric ESBWR design. NuStart anticipates submitting the COL application to the NRC during the fourth quarter 2007 or first quarter of 2008.

The following addresses should be used for pre-application communications for both projects.

Executive communications: Marilyn C. Kray  
President  
NuStart Energy Development, LLC  
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[marilyn.kray@exeloncorp.com](mailto:marilyn.kray@exeloncorp.com)

Licensing communications: George A. Zinke  
NuStart Energy Development, LLC  
c/o Entergy Nuclear  
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(601) 368-5381 (office)  
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Invoices: Thomas P. Mundy  
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Kennett Square, PA 19348  
(610) 765-5662  
[thomas.mundy@exeloncorp.com](mailto:thomas.mundy@exeloncorp.com)

We look forward to pre-application interactions with your staff. We believe that these meetings, along with our commitment to preparing a comprehensive submittal, will enable NuStart to submit COL applications consistent with NRC acceptance criteria. We will be contacting you shortly to arrange for a meeting to share further details regarding our plans

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and schedule. If you have any questions or comments concerning the NuStart projects, please feel free to contact me at (610) 765-5610 or George Zinke, the NuStart Licensing Lead, at (601) 368-5381.

Sincerely,



Marilyn C. Kray  
President

MCK/gaz

cc: J. A. Bailey, TVA  
W. D. Beckner, NRR/DRIP/RNRP  
G. Davis, Westinghouse  
E. Schmiech, Westinghouse  
L. A. Dudes, NRR/ADRA/DNRL/NR  
S. Hucik, General Electric  
J. Higgins, General Electric  
C. R. Hutchinson, Entergy Nuclear  
T. P. Mundy, NuStart Project Manager  
T. Miller, DOE  
B. P. Singh, DOE  
G. A. Zinke, NuStart Licensing Lead  
A. P. Heymer, NEI