



TENNESSEE EMERGENCY MANAGEMENT AGENCY  
OFFICE OF THE DEPUTY COMMISSIONER

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DEPUTY COMMISSIONER  
DAVID W. PURKEY

MAJOR GENERAL  
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April 8, 2015

Mr. Daniel P. Stout  
Senior Manager, Small Modular Reactors  
Tennessee Valley Authority  
BR-5B-C  
1101 Market St.  
Chattanooga, TN 37405

Dear Mr. Stout,

*Daniel*

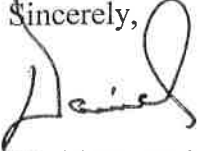
This letter is in response to your letter dated February 12, 2015, regarding the proposed Clinch River small modular reactor (SMR) project. In this correspondence you noted that TVA is anticipating an early site permit application for the Clinch River site. Further, you noted TVA's intention to request a fence line EPZ or a 2 mile EPZ for this site, due to the nature of the SMR design and its enhanced safety features.

On December 12, 2015, staff from the Tennessee Emergency Management Agency (TEMA) participated via conference call in the public presentation by the Nuclear Energy Institute and TVA to the Nuclear Regulatory Commission (NRC) staff regarding the proposed SMR mentioned above. At the conclusion of this presentation, the NRC staff made the determination that it was not given sufficient information to make a recommendation to the NRC regarding the appropriateness of a fence line or 2 mile EPZ. TEMA must concur with the NRC staff at this time that a determination of the EPZ for this proposed project is premature, given the lack of specific information on the nature and design of the proposed SMRs.

Specifically, information regarding the source term of the fuel for the SMRs needs to be identified. Additionally, specific information on the SMR's design and passive safety systems must be made available for review before any EPZ recommendation can be supported. We also concur with Roane County that an Emergency Alert System which is compatible with the system used by the Department of Energy is needed. Until these and other technical questions have been addressed, sufficient information is simply not available to make a determination regarding the appropriate EPZ for this proposed project.

TEMA will remain a strong supporter of this project and will gladly voice this support to the NRC. However, until more complete technical information is available and the Draft Evacuation Time Estimate study is reviewed, we are not in a position to comment one way or another regarding the appropriate EPZ for the project.

Should you have any questions or concerns, please feel free to contact Mr. Tim Holden, TEMA's Fixed Nuclear Facilities program manager, at 615-741-2128 or [tholden@tnema.org](mailto:tholden@tnema.org), or his staff. I can assure you that they will cooperate with you in any way possible.

Sincerely,  


David W. Purkey, MPH  
Deputy Commissioner

CC: Mr. Conrad Burnside, FEMA R-IV  
Mr. John Pelchat, NRC R-II  
Ms. Debra Shults, Director, RAD Health  
Mr. Ron Woody, County Executive, Roane County  
Mr. Bill Worth, TEMA Regional Administrator