



Tennessee Valley Authority, 1101 Market Street, Chattanooga, TN 37402

CNL-16-125

July 28, 2016

10 CFR 2.101  
10 CFR 52.15

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Clinch River Nuclear Site  
NRC Project No. 785

**Subject:** Submittal of Atmospheric Dispersion Calculation Input and Output Files in Support of Early Site Permit Application for Clinch River Nuclear Site

**Reference:** Letter from TVA to NRC, CNL-16-081, "Application for Early Site Permit for Clinch River Nuclear Site," dated May 12, 2016

In the referenced letter, Tennessee Valley Authority (TVA) submitted an application for an early site permit for the Clinch River Nuclear (CRN) Site in Oak Ridge, TN. In addition to the contents of the application, TVA is also providing the enclosed CALMET, CALPUFF, and CALPOST input and output files. These files are being provided to support the NRC staff's review of the comparison between the CALPUFF and XOQDOQ modeling results, as discussed in Site Safety Analysis Report Section 2.3.5 and Environmental Report Section 2.7.6. The files are contained in the enclosed external hard drive.

There are no new regulatory commitments associated with this submittal. If any additional information is needed, please contact Dan Stout at (423) 751-7642.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 28th day of July 2016.

Respectfully,

J. W. Shea  
Vice President, Nuclear Licensing

Enclosure

cc: See Page 2

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NRD

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Enclosure:

External Hard Drive: Atmospheric Dispersion Calculation Input and Output Files (1 copy)

cc (without enclosure):

Executive Director of Operations  
Regional Administrator, Region II  
Deputy Executive Director for Reactor and Preparedness Programs  
Director, Office of New Reactor Licensing  
Director, Office of New Reactors  
Branch Chief, Division of New Reactor Licensing  
Project Manager, Division of New Reactor Licensing  
Project Manager, Division of New Reactor Licensing  
Project Manager, Division of New Reactor Licensing  
Acting Assistant Secretary, Office of Nuclear Energy, Department of Energy  
Deputy Assistant Secretary, Nuclear Reactor Technologies, Department of Energy  
Light Water Reactor Technologies, Department of Energy  
Program Manager, Licensing Technical Support Program, Department of Energy  
Project Manager, Licensing Technical Support Program, Department of Energy  
Regulatory Specialist, Eastern Regulatory Field Office, Nashville District,  
U.S. Army Corp of Engineers