



July 9, 2018

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Serial No. 18-257  
NRAWDC R0  
Docket No. 50-336  
License No. DPR-65

**DOMINION ENERGY NUCLEAR CONNECTICUT, INC**  
**MILLSTONE POWER STATION UNIT 2**  
**NOTIFICATION: IMPLEMENTATION OF GENERIC LETTER 83-11,**  
**SUPPLEMENT 1 GUIDELINES TO ALLOW USE OF**  
**TOPICAL REPORT SSP-14-P01/028-TR-P-A METHODOLOGY**

This letter provides notification that Dominion Energy Nuclear Connecticut, Inc. (DENC) has instituted and documented the eligibility, training, procedures, benchmarking, and quality / change control processes for Millstone Power Station Unit 2 (MPS2) according to Attachment 1 of NRC Generic Letter (GL) 83-11, Supplement 1 "Licensee Qualification for Performing Safety Analyses." The documents were generated under the Dominion Energy Quality Assurance program and are available for NRC audit.

GL 83-11, Supplement 1 provides guidelines for qualifying licensees to use Nuclear Regulatory Commission (NRC) approved analysis methods for performing safety analyses.

DENC does not intend to use the methodology described below for MPS2 safety analyses, but does intend to use the methodology for the following reload core design purposes:

- A. As one of the two required core design methods used in the Startup Test Activity Reduction (STAR) program.
- B. To generate nuclear design data for use in:
  - 1. Nuclear design reports
  - 2. Operator curves / tables
  - 3. Peaking factor surveillances
  - 4. Reactivity management software and online calculators
- C. To generate heavy metal mass data for special nuclear material reporting

To document qualification, the licensee is required to send the NRC notification of having followed the guidelines at least 3 months before the date of its intended first licensing application.

Topical Report SSP-14-P01/028-TR-P-A, "Generic Application of the Studsvik Scandpower Core Management System to Pressurized Water Reactors [PWR]," has been reviewed and generically approved by the NRC for the PWR class of plants (Agencywide Documents Access and Management System Accession No.

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ML17279A986). DENC has performed an evaluation which documents that the guidelines delineated in GL 83-11, Supplement 1, to allow the use of Topical Report SSP-14-P01/028-TR-P-A, Core Management System 5 (CMS5) methodology, have been met at MPS2. Specifically,

1. Topical Report SSP-14-P01/028-TR-P-A is a NRC generically approved methodology.
2. DENC has in-house application procedures to control use of the CMS5 methodology.
3. DENC personnel are trained and qualified to use the CMS5 methodology.
4. DENC has performed comparison calculations to demonstrate the correct use of the CMS5 methodology.
5. DENC has the appropriate quality assurance and change control programs in place.

The MPS2 fall 2018 core reload will be the first licensing application of Topical Report SSP-14-P01/028-TR-P-A CMS5 methodology.

Additionally, the generic Nuclear Reliability Factors presented in Table 4-25 of Topical Report SSP-14-P01/028-TR-P-A will be used for any non-safety analyses calculations that require an estimate of the uncertainty of the physics parameters listed.

If you have any questions regarding this submittal, please contact Wanda Craft at (804) 273-4687.

Sincerely,



Mark D. Sartain  
Vice President – Nuclear Engineering & Fleet Support

Commitments made in this letter: None

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