

# YANKEE ATOMIC ELECTRIC COMPANY

Telephone (413) 424-5261



49 Yankee Road, Rowe, Massachusetts 01367

July 28, 2011  
BYR 2011-018

UNITED STATES NUCLEAR REGULATORY COMMISSION  
Attention: Document Control Desk  
Washington, DC 20555

- References:
- (a) License No. DPR-3 (Docket Nos. 50-029; 72-30; 72-1025)
  - (b) NAC-MPC<sup>®</sup> Final Safety Analysis Report, Amendment No. 1, dated February 2002.
  - (c) Certificate of Compliance Number 72-1025 for the NAC-MPC<sup>®</sup> System, Amendment No. 1, U. S. Nuclear Regulatory Commission, dated January 23, 2002 (effective November 13, 2001).
  - (d) USNRC letter to Yankee Atomic Electric Company, Exemption from 10 CFR 72.212 and 72.214, Docket 72.31 to support the Fuel Loading Campaign at Yankee Nuclear Power Station (YNPS) (TAC No. L23466) July 30, 2002 (NYR 2002-054).
  - (e) USNRC letter to Yankee Atomic Electric Company, Exemption from 10 CFR 72.212 and 72.214 for Dry Fuel Storage Activities, November 14, 2002 (NYR 2003-002).
  - (f) Certificate of Compliance Number 72-1025 for the NAC-MPC<sup>®</sup> System, Amendment No. 2, U. S. Nuclear Regulatory Commission, dated May 30, 2002.
  - (e) Certificate of Compliance Number 72-1025 for the NAC-MPC<sup>®</sup> System, Amendment No. 3, U. S. Nuclear Regulatory Commission, dated October 1, 2003.
  - (f) Certificate of Compliance Number 72-1025 for the NAC-MPC<sup>®</sup> System, Amendment No. 4, U.S. Nuclear Regulatory Commission, dated October 27, 2004.
  - (h) Certificate of Compliance Number 72-1025 for the NAC-MPC<sup>®</sup> System, Amendment No. 5, U.S. Nuclear Regulatory Commission, dated July 24, 2007.
  - (i) NAC-MPC<sup>®</sup> Final Safety Analysis Report, Revision 7, Amendment 5, dated January 2008.
  - (j) USNRC letter to Yankee Atomic Electric Company, Exemption from 10 CFR 72.212 and 72.214 (TAC L24421) dated July 15, 2010 (NYR 2010-007).

Subject: Yankee Atomic Electric Company Adoption of NAC-MPC<sup>®</sup> System, Amendment 5 Certificate of Compliance and Canister Registration

FSME20  
LMSS26

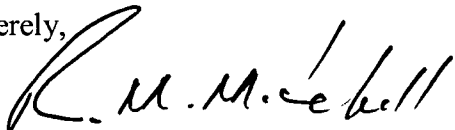
The purpose of this letter is to notify USNRC that all 15 NAC-MPC<sup>®</sup> canisters storing spent nuclear fuel at the Yankee Atomic Electric Company site in Rowe Massachusetts will now be registered to NAC-MPC<sup>®</sup> System Amendment 5.

Yankee Atomic loaded all spent nuclear fuel associated with plant operation into 15 NAC-MPC<sup>®</sup> canisters under Amendment 1 and 2 including Exemptions of NAC-MPC<sup>®</sup> Certificate of Compliance No. 72-1025, references (c, d, e and f). Subsequently, Yankee Atomic registered those 15 canisters with the USNRC to NAC-MPC<sup>®</sup> through the 15 letters listed in Attachment A. Yankee Atomic requested an exemption from two Technical Specification requirements contained in NAC-MPC<sup>®</sup> Amendment 5 Certificate of Compliance. That request was granted in reference (j).

In accordance with the regulatory guidance provided under 10 CFR 72.212(b)(4), Yankee Atomic Electric Company hereby provides notification that the 15 canisters previously registered to NAC-MPC<sup>®</sup> Amendment 1 and 2 including Exemptions of NAC-MPC<sup>®</sup> Certificate of Compliance No. 72-1025, references (c, d, e and f) will now be registered to the NAC-MPC<sup>®</sup> System, Amendment 5 (reference (h)). Concurrent with this change, the current revision of the Final Safety Analysis Report for the NAC-MPC<sup>®</sup> System will become Revision 7 (reference (i)).

If you have any questions or require additional information concerning this notification, please contact me at (413) 424-5261, extension 303 or [bmitchell@3yankees.com](mailto:bmitchell@3yankees.com).

Sincerely,

A handwritten signature in black ink, appearing to read "R. M. Mitchell". The signature is fluid and cursive, with the first name "R." and last name "Mitchell" clearly distinguishable.

Robert Mitchell  
ISFSI Manager

C: W. Norton, Yankee Atomic Electric Company  
J. Fay, Yankee Atomic Electric Company  
John Goshen, Project Manager, USNRC  
W. Dean, Administrator Region I, USNRC  
J. Joustra, DNMS Branch Chief, Region I, USNRC  
Mark Roberts, Region I, USNRC

## Attachment A - Yankee-Rowe ISFSI Cask Registration Information

### Docket Numbers: 50-029 and 72-30

CoC No. 1025 (expiration date: 04/10/2020)

<u>Correspondence</u> (BYR YEAR-xx) (Initial Registration)	<u>TSC No.</u> (MPC-TSC-455-xx)	<u>VCC No.</u> (YR-VCC-xx)	<u>In-Service</u> <u>Date</u> (mo/day/yr)	<u>Amendment</u> <u>Initially</u> <u>Loaded</u> <u>Under</u> (No. x)	<u>Amendment</u> <u>Reconciled</u> <u>to:</u> (No. x)	<u>Notes</u>
2002-31	01	01	06/26/2002	1	5	3
2002-41	02	02	07/18/2002	1	5	3
2002-42	03	03	07/27/2002	1	5	3
2002-45	04	04	08/19/2002	1	5	3
2002-46	05	05	08/29/2002	1	5	3
2002-51	06	06	09/12/2002	2	5	3
2002-62	07	07	11/26/2002	1	5	3
2002-64	08	08	12/11/2002	1	5	3
2002-69	09	09	12/19/2002	1	5	3
2003-02	10	10	01/09/2003	2	5	3
2003-05	11	13	01/29/2003	2	5	3
2003-15	12	12	02/08/2003	2	5	3
2003-17	15	15	02/28/2003	1	5	3
2003-19	13	16	03/12/2003	2	5	1,3
2003-40	14	14	05/31/2003	2	5	1,3
2003-42	16	11	06/21/2003	N/A	N/A	2

#### Notes

1. NAC-MPC CoC Amendment 1 and 2 including Exemptions 2A and 2B provided the licensing basis for design, fabrication, loading, and initial storage of the NAC-MPC System at Yankee-Rowe.
2. Contains Greater Than Class C (GTCC) Waste. This TSC is not licensed under 10CFR72.
3. The Yankee NAC-MPC Canisters were reconciled to NAC-MPC Certificate of Compliance 1025, Amendment 5 and NAC-MPC-FSAR Revision 7.