



YANKEE ATOMIC ELECTRIC COMPANY  
49 Yankee Road, Rowe, Massachusetts 01367

April 18, 2022

BYR 2022-009

Re: 10 CFR 72.4 and 10 CFR 72.212(b)(2)

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

Yankee Atomic Electric Company  
Yankee Rowe Independent Spent Fuel Storage Installation  
NRC License No. DPR-3 (NRC Docket No. 50-029)

72-1025

Subject: Yankee Atomic Electric Company Adoption of NAC-MPC® System, Amendment 8  
Certificate of Compliance and Canister Registration

In Reference 1, Yankee Atomic Power Company (YAEC) notified the U.S. Nuclear Regulatory Commission (NRC) that the 15 NAC-MPC® canisters storing spent nuclear fuel at the Yankee Nuclear Power Station (YNPS) Independent Spent Fuel Storage Installation (ISFSI) in Rowe, Massachusetts would be registered to Amendment 5 of the NAC-MPC® System Certificate of Compliance (CoC) No. 72-1025.

In accordance with 10 CFR 72.212(b)(2) and 10 CFR 72.4, YAEC is notifying the NRC that those canisters will now be registered to Amendment 8 of the NAC-MPC® System CoC No. 72-1025, including any applicable exemptions (Attachment 1). This change was effective on April 18, 2022.

The NRC previously granted YAEC an exemption from specific provisions of Amendment 8 to the NAC-MPC® System CoC No. 72-1025 in Reference 2. In addition, Revision 12 of the NAC-MPC® System Final Safety Analysis Report will be the revision applicable to the YNPS ISFSI. These adoptions are documented in Revision 16 to the YNPS ISFSI 10 CFR 72.212 Evaluation, dated April 18, 2022.

This document contains no regulatory commitments.

If you have any questions regarding this submittal, please do not hesitate to contact me at (413) 424-5261 ext. 304.

Respectfully,

John Macdonald  
ISFSI Manager

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Attachment:

1. Yankee Nuclear Power Station Independent Spent Fuel Storage Installation Cask Registration Information

References:

1. Letter from R. Mitchell (YAEC) to NRC, Yankee Atomic Electric Company Adoption of NAC-MPC® System, Amendment 5 Certificate of Compliance and Canister Registration, dated July 28, 2011 (BYR 2011-018)
2. Letter from J. McKirgan (NRC) to S. Hemingway (YAEC), Exemption from 10 CFR 72.212 and 72.214 For Dry Spent Fuel Storage Activities – Yankee Atomic Independent Spent Fuel Storage Installation, dated July 10, 2020

cc: D. Lew, NRC Region I Administrator  
A. Dimitriadis, Chief, Decommissioning Branch, NRC, Region 1  
Y. Diaz-Sanabria, Chief, Division of Fuel Management, Storage and Transportation  
Licensing Branch  
J. Viveiros, Senior Nuclear Planner, MEMA  
J. Cope-Flanagan, Assistant General Counsel, MDPU  
J. Rogers, State of Massachusetts Office of the Attorney General

**Attachment 1 to BYR 2022-009**  
**Yankee Nuclear Power Station Independent Spent Fuel Storage Installation**  
**Cask Registration Information**

<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 Date</u> (mo/day/yr)	<u>Amendment Initially Loaded Under</u> (No. x)	<u>Amendment Reconciled to:</u> (No. x)	<u>Notes</u>
2002-31	01	01	06/26/2002	1	8	3
2002-41	02	02	07/18/2002	1	8	3
2002-42	03	03	07/27/2002	1	8	3
2002-45	04	04	08/19/2002	1	8	3
2002-46	05	05	08/29/2002	1	8	3
2002-51	06	06	09/12/2002	2	8	3
2002-62	07	07	11/26/2002	1	8	3
2002-64	08	08	12/11/2002	1	8	3
2002-69	09	09	12/19/2002	1	8	3
2003-02	10	10	01/09/2003	2	8	3
2003-05	11	13	01/29/2003	2	8	3
2003-15	12	12	02/08/2003	2	8	3
2003-17	15	15	02/28/2003	1	8	3
2003-19	13	16	03/12/2003	2	8	1,3
2003-40	14	14	05/31/2003	2	8	1,3
2003-42	16	11	06/21/2003	N/A	N/A	2

Notes

1. NAC-MPC Certificate of Compliance (CoC) No. 1025 Amendments 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 the Yankee Nuclear Power Station (YNPS) Independent Spent Fuel Storage Installation (ISFSI).
2. Contains Greater Than Class C (GTCC) Waste. This Transportable Storage Canister (TSC) and Vertical Concrete Cask (VCC) are not licensed under 10 CFR 72.
3. Yankee Atomic Electric Company reconciled the NAC-MPC Canisters to NAC-MPC Certificate of Compliance 1025, Amendment 8 and NAC-MPC Final Safety Analysis Report, Revision 12.