



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

December 4, 2017

Mr. Jayant Bondre  
Vice President, Chief Technical Officer  
TN Americas LLC  
7135 Minstrel Way, Suite 300  
Columbia, MD 21045

SUBJECT: RENEWAL OF INITIAL CERTIFICATE AND AMENDMENT NOS. 1 THROUGH 11 AND 13, REVISION 1, AND AMENDMENT NO. 14 OF CERTIFICATE OF COMPLIANCE NO. 1004 FOR THE STANDARDIZED NUHOMS® HORIZONTAL MODULAR STORAGE SYSTEM

Dear Mr. Bondre:

As requested by your application dated October 4, 2014 (as supplemented on October 16, 2015 and June 6, 2016 and September 29, 2016), enclosed are the renewed initial certificate and renewed Amendment Nos. 1 through 11, and 13, Revision 1 and Amendment 14 of Certificate of Compliance (CoC) No. 1004 for the Standardized NUHOMS® Horizontal Modular Storage System. The certificates have been renewed for an additional 40-year term that expires on January 23, 2055, in accordance with the provisions of Part 72.240 of Title 10 of the *Code of Federal Regulations* (10 CFR 72.240). The renewal of these certificates constitutes the U.S. Nuclear Regulatory Commission's (NRC) approval for continued use of the Standardized NUHOMS® Horizontal Modular Storage System for storage of spent nuclear fuel under the general licensing provisions of 10 CFR 72.210, subject to the conditions in the renewed certificate. These conditions require the implementation of an approved aging management program (AMP) to ensure that structures, systems, and components important to safety will continue to perform their intended functions during the extended storage period authorized by the renewal.

As stated in the Federal Register (82 FR 44879, September 27, 2017), the effective date of this CoC is December 11, 2017. The NRC staff's final safety evaluation report for the renewal of the certificates, and Appendix A, "Technical Specifications," for each renewed certificate are also enclosed. If you have any questions regarding the renewal of these certificates, please contact Mr. Christian Jacobs at (301) 415-6825.

Sincerely,

**/RA Meraj Rahimi Acting for/**

John McKirgan, Chief  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1004  
CAC No.: L24964

Enclosures:  
See Attached List

RENEWAL OF INITIAL CERTIFICATE AND AMENDMENT NO. 1 THROUGH 11 AND 13, REVISION 1, AND AMENDMENT NO. 14 OF CERTIFICATE OF COMPLIANCE NO. 1004 FOR THE STANDARDIZED NUHOMS® HORIZONTAL MODULAR STORAGE SYSTEM, DOCUMENT DATE: December 4, 2017

DISTRIBUTION: (closes CAC No. L24964)

**ADAMS:**

SFM r/f

File Location:

G:/SFST/Jacobs/CoC 1004 Renewal/Final CoC, TS & SER

**ADAMS Package No.: ML17338A091**

<b>OFC:</b>	SFM		SFM		SFM		SFM	
<b>NAME:</b>	CJacobs	VGallardy for WWheatley		MRahimi				
<b>DATE:</b>	12/4/17	12/4/17		12/4/17				

**OFFICIAL RECORD COPY**

### List of Enclosures

Note: All enclosures are located in the Agencywide Documents Access and Management System (ADAMS) ML17338A091

1. Renewed Certificate of Compliance No. 1004, Initial Certificate, Revision 1 (ML17338A093)
2. Conditions for Cask Use and Technical Specifications, Renewed Initial Certificate, Revision 1 (ML17338A094)
3. Renewed Certificate of Compliance No. 1004, Amendment 1, Revision 1 (ML17338A095)
4. Conditions for Cask Use and Technical Specifications, Renewed Amendment 1, Revision 1 (ML17338A096)
5. Renewed Certificate of Compliance No. 1004, Amendment 2, Revision 1 (ML17338A097)
6. Conditions for Cask Use and Technical Specifications, Renewed Amendment 2, Revision 1 (ML17338A098)
7. Renewed Certificate of Compliance No. 1004, Amendment 3, Revision 1 (ML17338A099)
8. Conditions for Cask Use and Technical Specifications, Renewed Amendment 3 (ML17338A100)
9. Renewed Certificate of Compliance No. 1004, Amendment 4, Revision 1 (ML17338A101)
10. Conditions for Cask Use and Technical Specifications, Renewed Amendment 4, Revision 1 (ML17338A102)
11. Renewed Certificate of Compliance No. 1004, Amendment 5, Revision 1 (ML17338A103)
12. Conditions for Cask Use and Technical Specifications, Renewed Amendment 5, Revision 1 (ML17338A104)
13. Renewed Certificate of Compliance No. 1004, Amendment 6, Revision 1 (ML17338A105)
14. Conditions for Cask Use and Technical Specifications, Renewed Amendment 6, Revision 1 (ML17338A106)
15. Renewed Certificate of Compliance No. 1004, Amendment 7, Revision 1 (ML17338A107)
16. Conditions for Cask Use and Technical Specifications, Renewed Amendment 7, Revision 1 (ML17338A108)
17. Renewed Certificate of Compliance No. 1004, Amendment 8, Revision 1 (ML17338A109)
18. Conditions for Cask Use and Technical Specifications, Renewed Amendment 8, Revision 1 (ML17338A110)
19. Renewed Certificate of Compliance No. 1004, Amendment 9, Revision 1 (ML17338A111)
20. Conditions for Cask Use and Technical Specifications, Renewed Amendment 9, Revision 1 (ML17338A112)

21. Renewed Certificate of Compliance No. 1004, Amendment 10, Revision 1 (ML17338A113)
22. Conditions for Cask Use and Technical Specifications, Renewed Amendment 10, Revision 1 (ML17338A114)
  
23. Renewed Certificate of Compliance No. 1004, Amendment 11, Revision 1 (ML17338A115)
24. Conditions for Cask Use and Technical Specifications, Renewed Amendment 11, Revision 1 (ML17338A116)
  
25. Renewed Certificate of Compliance No. 1004, Amendment 13, Revision 1 (ML17338A117)
26. Conditions for Cask Use and Technical Specifications, Renewed Amendment 13, Revision 1 (ML17338A118)
  
27. Renewed Certificate of Compliance No. 1004, Amendment 14 (ML17338A119)
28. Conditions for Cask Use and Technical Specifications, Renewed Amendment 14 (ML17338A120)
  
29. Final Safety Evaluation Report for Renewal of Initial Certificate and Amendments 1 through 11, 13, Revision 1, and Amendment 14 of CoC No. 1004 for the Standardized NUHOMS® Horizontal Modular Storage System (ML17338A121)