



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

June 29, 2023

Kimberly Manzione, Licensing Manager  
Holtec International  
Holtec Technology Campus  
One Holtec Boulevard  
Camden, NJ 08104

**SUBJECT: RENEWAL OF INITIAL CERTIFICATE AND AMENDMENT NOS. 1 – 15 OF THE  
CERTIFICATE OF COMPLIANCE NO. 1014 FOR THE HI-STORM 100 CASK  
SYSTEM (CAC/EPID NOS. 001028/L-2020-RNW-0007)**

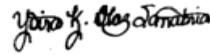
Dear Kimberly Manzione:

As requested in your application dated January 31, 2020, and supplemented on October 16, 2020, October 29, 2020; April 19, 2021, and April 23, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML20049A081, ML20290A819, ML20303A254, ML21109A367, and ML21113A201), the renewed initial certificate and renewed Amendment Nos. 1 – 15 of Certificate of Compliance (CoC) No. 1014 for the HI-STORM 100 Cask System are located in ADAMS Package Accession No. ML23068A384. The certificates have been renewed for an additional 40-year term that expires on May 31, 2060, in accordance with the provisions of Title 10 of the *Code of Federal Regulations*, Part 72, Section 72.240 (10 CFR 72.240). The renewal of these certificates constitutes the U.S. Nuclear Regulatory Commission's (NRC) approval for continued use of the HI-STORM 100 Cask System for storage of spent nuclear fuel under the general licensing provisions of 10 CFR Part 72, Subpart K, "General License for Storage of Spent Fuel at Power Reactor Sites," subject to the conditions in the renewed certificate. These conditions require the implementation of an approved aging management program 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.

The effective date of renewed CoC No. 1014 is August 2, 2023. A notice announcing this effective date will be published in the *Federal Register* in the near future. The NRC staff's final safety evaluation report for the renewal of the certificates, and the corresponding technical specifications for each renewed certificate are also included in ADAMS Package Accession No. ML23068A384. The enclosure includes a list of the documents in ADAMS Package Accession No. ML23068A384 for renewed CoC No. 1014.

If you have any questions regarding the renewal of these certificates, please contact Kristina Banovac at (301) 415-7116 or [Kristina.Banovac@nrc.gov](mailto:Kristina.Banovac@nrc.gov).

Sincerely,



Signed by Diaz-Sanabria, Yoira  
on 06/29/23

Yoira K. Diaz-Sanabria, Chief  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1014  
CAC/EPID Nos.: 001028/L-2020-RNW-0007

Enclosure:  
List of Documents for Renewed Certificate of  
Compliance No. 1014 in ADAMS Package  
Accession No. ML23068A384

List of Documents for Renewed Certificate of Compliance No. 1014  
in ADAMS Package Accession No. ML23068A384

1. Transmittal letter, Renewal of Certificate of Compliance No. 1014, HI-STORM 100 Cask System (ML23068A385)
2. Renewed Certificate of Compliance No. 1014, Amendment No. 0 (ML23068A386)
3. Renewed Certificate of Compliance No. 1014, Amendment No. 0, Appendix A (ML23068A387)
4. Renewed Certificate of Compliance No. 1014, Amendment No. 0, Appendix B (ML23068A388)
5. Renewed Certificate of Compliance No. 1014, Amendment No. 1 (ML23068A389)
6. Renewed Certificate of Compliance No. 1014, Amendment No. 1, Appendix A (ML23068A390)
7. Renewed Certificate of Compliance No. 1014, Amendment No. 1, Appendix B (ML23068A391)
8. Renewed Certificate of Compliance No. 1014, Amendment No. 2 (ML23068A392)
9. Renewed Certificate of Compliance No. 1014, Amendment No. 2, Appendix A (ML23068A393)
10. Renewed Certificate of Compliance No. 1014, Amendment No. 2, Appendix B (ML23068A394)
11. Renewed Certificate of Compliance No. 1014, Amendment No. 3 (ML23068A395)
12. Renewed Certificate of Compliance No. 1014, Amendment No. 3, Appendix A (ML23068A396)
13. Renewed Certificate of Compliance No. 1014, Amendment No. 3, Appendix B (ML23068A397)
14. Renewed Certificate of Compliance No. 1014, Amendment No. 4 (ML23068A398)
15. Renewed Certificate of Compliance No. 1014, Amendment No. 4, Appendix A (ML23068A399)
16. Renewed Certificate of Compliance No. 1014, Amendment No. 4, Appendix B (ML23068A400)
17. Renewed Certificate of Compliance No. 1014, Amendment No. 5 (ML23068A401)
18. Renewed Certificate of Compliance No. 1014, Amendment No. 5, Appendix A (ML23068A402)
19. Renewed Certificate of Compliance No. 1014, Amendment No. 5, Appendix B (ML23068A403)
20. Renewed Certificate of Compliance No. 1014, Amendment No. 6 (ML23068A404)
21. Renewed Certificate of Compliance No. 1014, Amendment No. 6, Appendix A (ML23068A405)
22. Renewed Certificate of Compliance No. 1014, Amendment No. 6, Appendix B (ML23068A406)
23. Renewed Certificate of Compliance No. 1014, Amendment No. 7 (ML23068A407)

24. Renewed Certificate of Compliance No. 1014, Amendment No. 7, Appendix A (ML23068A408)
25. Renewed Certificate of Compliance No. 1014, Amendment No. 7, Appendix B (ML23068A409)
26. Renewed Certificate of Compliance No. 1014, Amendment No. 7, Appendix A-100U (ML23068A410)
27. Renewed Certificate of Compliance No. 1014, Amendment No. 7, Appendix B-100U (ML23068A411)
  
28. Renewed Certificate of Compliance No. 1014, Amendment No. 8, Rev. 1 (ML23068A412)
29. Renewed Certificate of Compliance No. 1014, Amendment No. 8, Rev. 1, Appendix A (ML23068A413)
30. Renewed Certificate of Compliance No. 1014, Amendment No. 8, Rev. 1, Appendix B (ML23068A414)
31. Renewed Certificate of Compliance No. 1014, Amendment No. 8, Rev. 1, Appendix A-100U (ML23068A415)
32. Renewed Certificate of Compliance No. 1014, Amendment No. 8, Rev. 1, Appendix B-100U (ML23068A416)
  
33. Renewed Certificate of Compliance No. 1014, Amendment No. 9, Rev. 1 (ML23068A417)
34. Renewed Certificate of Compliance No. 1014, Amendment No. 9, Rev. 1, Appendix A (ML23068A418)
35. Renewed Certificate of Compliance No. 1014, Amendment No. 9, Rev. 1, Appendix B (ML23068A419)
36. Renewed Certificate of Compliance No. 1014, Amendment No. 9, Rev. 1, Appendix A-100U (ML23068A420)
37. Renewed Certificate of Compliance No. 1014, Amendment No. 9, Rev. 1, Appendix B-100U (ML23068A422)
  
38. Renewed Certificate of Compliance No. 1014, Amendment No. 10 (ML23068A423)
39. Renewed Certificate of Compliance No. 1014, Amendment No. 10, Appendix A (ML23068A424)
40. Renewed Certificate of Compliance No. 1014, Amendment No. 10, Appendix B (ML23068A425)
41. Renewed Certificate of Compliance No. 1014, Amendment No. 10, Appendix A-100U (ML23068A426)
42. Renewed Certificate of Compliance No. 1014, Amendment No. 10, Appendix B-100U (ML23068A427)
  
43. Renewed Certificate of Compliance No. 1014, Amendment No. 11 (ML23068A428)
44. Renewed Certificate of Compliance No. 1014, Amendment No. 11, Appendix A (ML23068A429)
45. Renewed Certificate of Compliance No. 1014, Amendment No. 11, Appendix B (ML23068A430)
46. Renewed Certificate of Compliance No. 1014, Amendment No. 11, Appendix A-100U (ML23068A431)
47. Renewed Certificate of Compliance No. 1014, Amendment No. 11, Appendix B-100U (ML23068A432)
  
48. Renewed Certificate of Compliance No. 1014, Amendment No. 12 (ML23068A433)

49. Renewed Certificate of Compliance No. 1014, Amendment No. 12, Appendix A (ML23068A434)
50. Renewed Certificate of Compliance No. 1014, Amendment No. 12, Appendix B (ML23068A435)
51. Renewed Certificate of Compliance No. 1014, Amendment No. 12, Appendix A-100U (ML23068A436)
52. Renewed Certificate of Compliance No. 1014, Amendment No. 12, Appendix B-100U (ML23068A437)
  
53. Renewed Certificate of Compliance No. 1014, Amendment No. 13 (ML23068A438)
54. Renewed Certificate of Compliance No. 1014, Amendment No. 13, Appendix A (ML23068A439)
55. Renewed Certificate of Compliance No. 1014, Amendment No. 13, Appendix B (ML23068A440)
56. Renewed Certificate of Compliance No. 1014, Amendment No. 13, Appendix A-100U (ML23068A441)
57. Renewed Certificate of Compliance No. 1014, Amendment No. 13, Appendix B-100U (ML23068A442)
  
58. Renewed Certificate of Compliance No. 1014, Amendment No. 14 (ML23068A443)
59. Renewed Certificate of Compliance No. 1014, Amendment No. 14, Appendix A (ML23068A444)
60. Renewed Certificate of Compliance No. 1014, Amendment No. 14, Appendix B (ML23068A445)
61. Renewed Certificate of Compliance No. 1014, Amendment No. 14, Appendix A-100U (ML23068A446)
62. Renewed Certificate of Compliance No. 1014, Amendment No. 14, Appendix B-100U (ML23068A447)
  
63. Renewed Certificate of Compliance No. 1014, Amendment No. 15 (ML23068A448)
64. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix A (ML23068A449)
65. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix B (ML23068A450)
66. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix A-100U (ML23068A451)
67. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix B-100U (ML23068A452)
68. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix C (ML23068A453)
69. Renewed Certificate of Compliance No. 1014, Amendment No. 15, Appendix D (ML23068A454)
  
70. Final Safety Evaluation Report for Renewed Certificate of Compliance No. 1014, Amendment Nos. 0-15 (ML23068A455)

SUBJECT: RENEWAL OF INITIAL CERTIFICATE AND AMENDMENT NOS. 1 – 15 OF THE CERTIFICATE OF COMPLIANCE NO. 1014 FOR THE HI-STORM 100 CASK SYSTEM (CAC/EPID NOS. 001028/L-2020-RNW-0007)

DOCUMENT DATE: June 29, 2023

**DISTRIBUTION:**

NMSS/DFM r/f	OPA Resource	OPA1 Resource
NSheehan, OPA	DScrenci, OPA	
JWeil, OCA	MHoskins, OCA	ACoggins, OGC
CMarkley, NMSS	CJacobs, NMSS	YChen, NMSS
EGoldfeiz, NMSS	MDavis, NMSS	TBoyce, NMSS
DJohnson, NMSS	NJordan, NMSS	JFirth, NMSS
KCastellon, NMSS	JShepherd, NMSS	
OYee, NRR	JWise, NRR	

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**ADAMS Accession Nos.: ML23068A384(PKG), ML23068A385(LTR), ML23068A455(SER)**

OFFICE	NMSS/DFM/STLB	NMSS/DFM/STLB	NMSS/DFM/STLB
NAME	KBanovac	WWheatley	YDiaz-Sanabria
DATE	06/15/2023	06/20/2023	06/23/2023
OFFICE	NMSS/DFM/STLB	NMSS/DFM/STLB	
NAME	KBanovac	YDiaz-Sanabria	
DATE	06/29/2023	06/29/2023	

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