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This section of the FEDERAL REGISTER contains regulatory documents having general applicability and legal effect, most of which are keyed to and codified in the Code of Federal Regulations, which is published under 50 titles pursuant to 44 U.S.C. 1510.

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NUCLEAR REGULATORY COMMISSION

10 CFR Part 72

[NRC-2024-0215]

RIN 3150-AL24

List of Approved Spent Fuel Storage Casks: HI-STORM 100, Certificate of Compliance No. 1014, Renewed Amendment No. 19

AGENCY: Nuclear Regulatory Commission.

ACTION: Direct final rule.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is amending its spent fuel storage regulations by revising the Holtec International HI-STORM 100 Cask System listing within the “List of approved spent fuel storage casks” to include Renewed Amendment No. 19 to Certificate of Compliance No. 1014. Renewed Amendment No. 19 revises the certificate of compliance to update the acceptance criteria and method of evaluation (MOE) for the HI-STORM 100 system tipover accident for equipment combinations involving multi-purpose canisters (MPCs) with Metamic-HT baskets. This involves applying a new stress-based criteria and completing new evaluations consistent with the new tipover acceptance criteria and MOE and involves some adjustments of the existing deflection criteria.

DATES: This direct final rule is effective May 27, 2025, unless significant adverse comments are received by April 14, 2025. If this direct final rule is withdrawn as a result of such comments, timely notice of the withdrawal will be published in the **Federal Register**. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date. Comments received on this direct final rule will also be considered to be

comments on a companion proposed rule published in the Proposed Rules section of this issue of the **Federal Register**.

ADDRESSES: Submit your comments, identified by Docket ID NRC-2024-0215, at <https://www.regulations.gov>. If your material cannot be submitted using <https://www.regulations.gov>, call or email the individuals listed in the **FOR FURTHER INFORMATION CONTACT** section of this document for alternate instructions.

You can read a plain language description of this direct final rule at <https://www.regulations.gov/docket/NRC-2024-0215>. For additional direction on obtaining information and submitting comments, see “Obtaining Information and Submitting Comments” in the **SUPPLEMENTARY INFORMATION** section of this document.

FOR FURTHER INFORMATION CONTACT: Yen-Ju Chen, Office of Nuclear Material Safety and Safeguards; telephone: 301-415-1018; email: Yen-Ju.Chen@nrc.gov or Caylee Kenny, Office of Nuclear Material Safety and Safeguards; telephone: 301-415-7150, email: Caylee.Kenny@nrc.gov. Both are staff of the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

SUPPLEMENTARY INFORMATION:

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I. Obtaining Information and Submitting Comments

A. Obtaining Information

Please refer to Docket ID NRC-2024-0215 when contacting the NRC about the availability of information for this action. You may obtain publicly available information related to this action by any of the following methods:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov> and search

for Docket ID NRC-2024-0215. Address questions about NRC dockets to Helen Chang, telephone: 301-415-3228, email: Helen.Chang@nrc.gov. For technical questions contact the individuals listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- **NRC’s Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by email to PDR.Resource@nrc.gov. For the convenience of the reader, instructions about obtaining materials referenced in this document are provided in the “Availability of Documents” section.

- **NRC’s PDR:** The PDR, where you may examine and order copies of publicly available documents, is open by appointment. To make an appointment to visit the PDR, please send an email to PDR.Resource@nrc.gov or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time, Monday through Friday, except Federal holidays.

B. Submitting Comments

The NRC encourages electronic comment submission through the Federal rulemaking website (<https://www.regulations.gov>). Please include Docket ID NRC-2024-0215 in your comment submission.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC will post all comment submissions at <https://www.regulations.gov> as well as enter the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information

before making the comment submissions available to the public or entering the comment into ADAMS.

II. Rulemaking Procedure

This rule is limited to the changes contained in Renewed Amendment No. 19 to Certificate of Compliance No. 1014 and does not include other aspects of the HI-STORM 100 Cask System design. The NRC is using the “direct final rule procedure” to issue this amendment because it represents a limited and routine change to an existing certificate of compliance that is expected to be non-controversial. Adequate protection of public health and safety continues to be reasonably assured. The amendment to the rule will become effective on May 27, 2025. However, if the NRC receives any significant adverse comment on this direct final rule by April 14, 2025, then the NRC will publish a document that withdraws this action and will subsequently address the comments received in a final rule as a response to the companion proposed rule published in the Proposed Rules section of this issue of the **Federal Register** or as otherwise appropriate. In general, absent significant modifications to the proposed revisions requiring republication, the NRC will not initiate a second comment period on this action.

A significant adverse comment is a comment where the commenter explains why the rule would be inappropriate, including challenges to the rule’s underlying premise or approach, or would be ineffective or unacceptable without a change. A comment is adverse and significant if:

(1) The comment opposes the rule and provides a reason sufficient to require a substantive response in a notice-and-comment process. For example, a substantive response is required when:

(a) The comment causes the NRC to reevaluate (or reconsider) its position or conduct additional analysis;

(b) The comment raises an issue serious enough to warrant a substantive response to clarify or complete the record; or

(c) The comment raises a relevant issue that was not previously addressed or considered by the NRC.

(2) The comment proposes a change or an addition to the rule, and it is apparent that the rule would be ineffective or unacceptable without incorporation of the change or addition.

(3) The comment causes the NRC to make a change (other than editorial) to the rule, certificate of compliance, or technical specifications.

III. Background

Section 218(a) of the Nuclear Waste Policy Act of 1982, as amended, requires that “[t]he Secretary [of the Department of Energy] shall establish a demonstration program, in cooperation with the private sector, for the dry storage of spent nuclear fuel at civilian nuclear power reactor sites, with the objective of establishing one or more technologies that the [Nuclear Regulatory] Commission may, by rule, approve for use at the sites of civilian nuclear power reactors without, to the maximum extent practicable, the need for additional site-specific approvals by the Commission.” Section 133 of the Nuclear Waste Policy Act states, in part, that “[t]he Commission shall, by rule, establish procedures for the licensing of any technology approved by the Commission under Section 219(a) [sic: 218(a)] for use at the site of any civilian nuclear power reactor.”

To implement this mandate, the Commission approved dry storage of spent nuclear fuel in NRC-approved casks under a general license by publishing a final rule that added a new subpart K in part 72 of title 10 of the *Code of Federal Regulations* (10 CFR) entitled “General License for Storage of Spent Fuel at Power Reactor Sites” (55 FR 29181; July 18, 1990). This rule also established a new subpart L in 10 CFR part 72 entitled “Approval of Spent Fuel Storage Casks,” which contains procedures and criteria for obtaining NRC approval of spent fuel storage cask designs. The NRC subsequently issued a final rule on May 1, 2000 (65 FR 25241), that approved the Holtec International HI-STORM 100 Cask System design and added it to the list of NRC-approved cask designs in § 72.214 as Certificate of Compliance No. 1014.

IV. Discussion of Changes

On August 9, 2024, Holtec International submitted a request to the NRC to amend Certificate of Compliance No. 1014. Holtec International supplemented its request on the following dates: November 4, 2024 (ML24309A286), and November 13, 2024 (ML24318C533). Renewed Amendment No. 19 revises the certificate of compliance to update the acceptance criteria and method of evaluation (MOE) for the HI-STORM 100 system tipover accident described in the final safety analysis report (FSAR) for equipment combinations involving multi-purpose canisters (MPCs) with Metamic-HT baskets. This involves applying a new stress-based criteria and completing new evaluations consistent with the new tipover acceptance criteria

and MOE established in HI-STORM Flood/Wind (FW) MPC Storage System, Amendment No. 7 (ML24199A241). This also involves some adjustments of the existing deflection criteria.

The changes to the aforementioned documents are identified with revisions bars in the margin of each document.

As documented in the preliminary safety evaluation report, the NRC performed a safety evaluation of the proposed certificate of compliance amendment request. The NRC determined that this amendment does not reflect a significant change in design or fabrication of the cask. Specifically, the NRC determined that the design of the cask would continue to maintain confinement, shielding, and criticality control in the event of each evaluated accident condition. In addition, any resulting occupational exposure or offsite dose rates from the implementation of Renewed Amendment No. 19 would remain well within the limits specified by 10 CFR part 20, “Standards for Protection Against Radiation.” Therefore, the NRC found there will be no significant change in the types or amounts of any effluent released, no significant increase in the individual or cumulative radiation exposure, and no significant increase in the potential for or consequences from radiological accidents.

The NRC staff determined that the renewed amended HI-STORM 100 cask design, when used under the conditions specified in the certificate of compliance, the technical specifications, and the NRC’s regulations, will meet the requirements of 10 CFR part 72; therefore, adequate protection of public health and safety will continue to be reasonably assured. When this direct final rule becomes effective, persons who hold a general license under § 72.210 may, consistent with the license conditions under § 72.212, load spent nuclear fuel into the HI-STORM 100 casks that meet the criteria of Renewed Amendment No. 19 to Certificate of Compliance No. 1014.

V. Voluntary Consensus Standards

The National Technology Transfer and Advancement Act of 1995 (Pub. L. 104–113) requires that Federal agencies use technical standards that are developed or adopted by voluntary consensus standards bodies unless the use of such a standard is inconsistent with applicable law or otherwise impractical. In this direct final rule, the NRC revises the HI-STORM 100 Cask System design listed in § 72.214, “List of approved spent fuel storage casks.” This action does not constitute the

establishment of a standard that contains generally applicable requirements.

VI. Agreement State Compatibility

Under the “Agreement State Program Policy Statement” approved by the Commission on October 2, 2017, and published in the **Federal Register** on October 18, 2017 (82 FR 48535), this rule is classified as Compatibility Category NRC—Areas of Exclusive NRC Regulatory Authority. The NRC program elements in this category are those that relate directly to areas of regulation reserved to the NRC by the Atomic Energy Act of 1954, as amended, or the provisions of 10 CFR chapter I. Therefore, compatibility is not required for program elements in this category.

VII. Plain Writing

The Plain Writing Act of 2010 (Pub. L. 111–274) requires Federal agencies to write documents in a clear, concise, and well-organized manner. The NRC has written this document to be consistent with the Plain Writing Act as well as the Presidential Memorandum, “Plain Language in Government Writing,” published June 10, 1998 (63 FR 31885).

VIII. Environmental Assessment and Finding of No Significant Impact

Under the National Environmental Policy Act of 1969, as amended, and the NRC’s regulations in 10 CFR part 51, “Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions,” the NRC has determined that this direct final rule, if adopted, would not be a major Federal action significantly affecting the quality of the human environment and, therefore, an environmental impact statement is not required. The NRC has made a finding of no significant impact on the basis of this environmental assessment. This environmental assessment and finding of no significant impact can be tracked with identification number NEPA ID EAXX–429–00–000–1739414322.

A. The Action

The action is to amend § 72.214 to revise the Holtec International HI–STORM 100 listing within the “List of approved spent fuel storage casks” to include Renewed Amendment No. 19 to Certificate of Compliance No. 1014.

B. The Need for the Action

This direct final rule amends the certificate of compliance for the Holtec International HI–STORM 100 design within the list of approved spent fuel storage casks to allow power reactor licensees to store spent fuel at reactor

sites in casks with the approved modifications under a general license. Specifically, Renewed Amendment No. 19 revises the certificate of compliance to update the acceptance criteria and MOE for the HI–STORM 100 system tipover accident described in the FSAR for equipment combinations involving MPCs with Metamic-HT baskets. This involves applying a new stress-based criteria and completing new evaluations consistent with the new tipover acceptance criteria and MOE established in HI–STORM FW MPC Storage System, Amendment No. 7. This also involves some adjustments of the existing deflection criteria.

C. Environmental Impacts of the Action

On July 18, 1990 (55 FR 29181), the NRC issued an amendment to 10 CFR part 72 to provide for the storage of spent fuel under a general license in cask designs approved by the NRC. The potential environmental impact of using NRC-approved storage casks was analyzed in the environmental assessment for the 1990 final rule. The environmental assessment for this Renewed Amendment No. 19 tiers off of the environmental assessment for the July 18, 1990, final rule. Tiering on past environmental assessments is a standard process under the National Environmental Policy Act of 1969, as amended.

The Holtec International HI–STORM 100 cask system is designed to mitigate the effects of design basis accidents that could occur during storage. Design basis accidents account for human-induced events and the most severe natural phenomena reported for the site and surrounding area. Postulated accidents analyzed for an independent spent fuel storage installation, the type of facility at which a holder of a power reactor operating license would store spent fuel in casks in accordance with 10 CFR part 72, can include tornado winds and tornado-generated missiles, a design basis earthquake, a design basis flood, an accidental cask drop, lightning effects, fire, explosions, and other incidents.

This amendment does not reflect a significant change in design or fabrication of the cask. Because there are no significant design or process changes, any resulting occupational exposure or offsite dose rates from the implementation of Renewed Amendment No. 19 would remain well within the 10 CFR part 20 limits. The NRC has also determined that the design of the cask as modified by this rule would maintain confinement, shielding, and criticality control in the event of an accident. Therefore, the proposed

changes will not result in any radiological or non-radiological environmental impacts that significantly differ from the environmental impacts evaluated in the environmental assessment supporting the July 18, 1990, final rule. There will be no significant change in the types or significant revisions in the amounts of any effluent released, no significant increase in the individual or cumulative radiation exposures, and no significant increase in the potential for, or consequences from, radiological accidents. The NRC documented its safety findings in the preliminary safety evaluation report.

D. Alternative to the Action

The alternative to this action is to deny approval of Renewed Amendment No. 19 and not issue the direct final rule. Consequently, any 10 CFR part 72 general licensee that seeks to load spent nuclear fuel into the Holtec International HI–STORM 100 cask system in accordance with the changes described in Renewed Amendment No. 19 would have to request an exemption from the requirements of §§ 72.212 and 72.214. Under this alternative, interested licensees would have to prepare, and the NRC would have to review, a separate exemption request, thereby increasing the administrative burden upon the NRC and the costs to each licensee. The environmental impacts would be the same as the proposed action.

E. Alternative Use of Resources

Approval of Renewed Amendment No. 19 to Certificate of Compliance No. 1014 would result in no irreversible and irretrievable commitments of Federal resources.

F. Agencies and Persons Contacted

No agencies or persons outside the NRC were contacted in connection with the preparation of this environmental assessment.

G. Finding of No Significant Impact

The environmental impacts of the action have been reviewed under the requirements in the National Environmental Policy Act of 1969, as amended, and the NRC’s regulations in subpart A of 10 CFR part 51, “Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions.” Based on the foregoing environmental assessment, the NRC concludes that this direct final rule, “List of Approved Spent Fuel Storage Casks: HI–STORM 100, Certificate of Compliance No. 1014, Renewed Amendment No. 19,” will not have a significant effect on the human

environment. Therefore, the NRC has determined that an environmental impact statement is not necessary for this direct final rule.

IX. Paperwork Reduction Act Statement

This direct final rule does not contain any new or amended collections of information subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*). Existing collections of information were approved by the Office of Management and Budget, approval number 3150-0132.

Public Protection Notification

The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

X. Regulatory Flexibility Certification

Under the Regulatory Flexibility Act of 1980 (5 U.S.C. 605(b)), the NRC certifies that this direct final rule will not, if issued, have a significant economic impact on a substantial number of small entities. This direct final rule affects only nuclear power plant licensees and Holtec International. These entities do not fall within the scope of the definition of small entities set forth in the Regulatory Flexibility Act or the size standards established by the NRC (§ 2.810).

XI. Regulatory Analysis

On July 18, 1990 (55 FR 29181), the NRC issued an amendment to 10 CFR part 72 to provide for the storage of spent nuclear fuel under a general license in cask designs approved by the NRC. Any nuclear power reactor licensee can use NRC-approved cask designs to store spent nuclear fuel if (1) it notifies the NRC in advance; (2) the spent fuel is stored under the conditions specified in the cask's certificate of compliance; and (3) the conditions of

the general license are met. A list of NRC-approved cask designs is contained in § 72.214. On May 1, 2000 (69 FR 25241), the NRC issued an amendment to 10 CFR part 72 that approved the HI-STORM 100 cask system by adding it to the list of NRC-approved cask designs in § 72.214.

On August 9, 2024, and as supplemented on November 4, 2024, and November 13, 2024, Holtec International submitted a request to amend the HI-STORM 100 cask system as described in Section IV, "Discussion of Changes," of this document.

The alternative to this action is to withhold approval of Renewed Amendment No. 19 and to require any 10 CFR part 72 general licensee seeking to load spent nuclear fuel into the Holtec International HI-STORM 100 cask system under the changes described in Renewed Amendment No. 19 to request an exemption from the requirements of §§ 72.212 and 72.214. Under this alternative, each interested 10 CFR part 72 licensee would have to prepare, and the NRC would have to review, a separate exemption request, thereby increasing the administrative burden upon the NRC and the costs to each licensee.

Approval of this direct final rule is consistent with previous NRC actions. Further, as documented in the preliminary safety evaluation report and environmental assessment, this direct final rule will have no adverse effect on public health and safety or the environment. This direct final rule has no significant identifiable impact or benefit on other government agencies. Based on this regulatory analysis, the NRC concludes that the requirements of this direct final rule are commensurate with the NRC's responsibilities for public health and safety and the common defense and security. No other available alternative is believed to be as satisfactory; therefore, this action is recommended.

XII. Backfitting and Issue Finality

The NRC has determined that the backfit rule (§ 72.62) does not apply to this direct final rule. Therefore, a backfit analysis is not required. This direct final rule revises Certificate of Compliance No. 1014 for the Holtec International HI-STORM 100 cask system, as currently listed in § 72.214. The revision consists of the changes in Renewed Amendment No. 19 previously described, as set forth in the revised certificate of compliance and technical specifications.

Renewed Amendment No. 19 to Certificate of Compliance No. 1014 for the HI-STORM 100 cask system was initiated by Holtec International and was not submitted in response to new NRC requirements, or an NRC request for amendment. Renewed Amendment No. 19 applies only to new casks fabricated and used under Renewed Amendment No. 19. These changes do not affect existing users of the Holtec International HI-STORM 100 and the current Renewed Amendment No. 18 continues to be effective for existing users. While current users of this storage system may comply with the new requirements in Renewed Amendment No. 19, this would be a voluntary decision on the part of current users.

For these reasons, Renewed Amendment No. 19 to Certificate of Compliance No. 1014 does not constitute backfitting under § 72.62 or § 50.109(a)(1), or otherwise represent an inconsistency with the issue finality provisions applicable to combined licenses in 10 CFR part 52. Accordingly, the NRC has not prepared a backfit analysis for this rulemaking.

XIII. Congressional Review Act

This direct final rule is not a rule as defined in the Congressional Review Act.

XIV. Availability of Documents

The documents identified in the following table are available to interested persons as indicated.

Document	ADAMS Accession No./ web link/ Federal Register citation
Proposed Certificate of Compliance, Proposed Technical Specifications, and Preliminary Safety Evaluation Report for Certificate of Compliance No. 1014, Renewed Amendment No. 19	
User Need for Rulemaking for the Holtec HI-STORM 100 Cask System, Certificate of Compliance No. 1014, Renewed Amendment No. 19 (December 23, 2024).	ML24312A177 (Package).
Environmental Documents	
Environmental Assessment for Proposed Rule Entitled, "Storage of Spent Nuclear Fuel in NRC-Approved Storage Casks at Nuclear Power Reactor Sites." (1989).	ML051230231.
"Environmental Assessment and Finding of No Significant Impact for the Final Rule Amending 10 CFR part 72 License and Certificate of Compliance Terms" (2010).	ML100710441.

Document	ADAMS Accession No./ web link/ Federal Register citation
Generic Environmental Impact Statement for Continued Storage of Spent Nuclear Fuel: Final Report (NUREG–2157, Volumes 1 and 2) (2014).	ML14198A440 (Package).
“Storage of Spent Fuel In NRC-Approved Storage Casks at Power Reactor Sites” Final Rule (July 18, 1990)	55 FR 29181.
Holtec International HI–STORM 100 Cask Design System Amendment No. 19 Request Documents	
Holtec International—HI–STORM 100 Multipurpose Canister Storage System Amendment 19 Request (August 9, 2024).	ML24222A858 (Package).
Holtec International—HI–STORM 100 Amendment 19 Responses to Requests for Additional Information (November 4, 2024).	ML24309A286 (Package).
Holtec International—HI–STORM 100 Amendment 19 Additional Responses to Requests for Additional Information (November 13, 2024).	ML24318C533 (Package).
Other Documents	
Holtec International—HI–STORM Flood/Wind Amendment 7 Final Safety Evaluation Report, Enclosure 4 (August 13, 2024).	ML24199A241.
“Agreement State Program Policy Statement; Correction” (October 18, 2017)	82 FR 48535.
Plain Language in Government Writing (June 10, 1998)	63 FR 31885.
Storage of Spent Fuel In NRC-Approved Storage Casks at Power Reactor Sites: Final Rule (July 18, 1990)	55 FR 29181.
List of Approved Spent Fuel Storage Casks: Holtec HI–STORM 100 Addition (May 1, 2000)	65 FR 25241.

The NRC may post materials related to this document, including public comments, on the Federal rulemaking website at <https://www.regulations.gov> under Docket ID NRC–2024–0215. In addition, the Federal rulemaking website allows members of the public to receive alerts when changes or additions occur in a docket folder. To subscribe: (1) navigate to the docket folder (NRC–2024–0215); (2) click the “Subscribe” link; and (3) enter an email address and click on the “Subscribe” link.

List of Subjects in 10 CFR Part 72

Administrative practice and procedure, Hazardous waste, Indians, Intergovernmental relations, Nuclear energy, Penalties, Radiation protection, Reporting and recordkeeping requirements, Security measures, Spent fuel, Whistleblowing.

For the reasons set out in the preamble and under the authority of the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, as amended; the Nuclear Waste Policy Act of 1982, as amended; and 5 U.S.C. 552 and 553; the NRC is adopting the following amendments to 10 CFR part 72:

PART 72—LICENSING REQUIREMENTS FOR THE INDEPENDENT STORAGE OF SPENT NUCLEAR FUEL, HIGH-LEVEL RADIOACTIVE WASTE, AND REACTOR-RELATED GREATER THAN CLASS C WASTE

■ 1. The authority citation for part 72 continues to read as follows:

Authority: Atomic Energy Act of 1954, secs. 51, 53, 57, 62, 63, 65, 69, 81, 161, 182,

183, 184, 186, 187, 189, 223, 234, 274 (42 U.S.C. 2071, 2073, 2077, 2092, 2093, 2095, 2099, 2111, 2201, 2210e, 2232, 2233, 2234, 2236, 2237, 2238, 2273, 2282, 2021); Energy Reorganization Act of 1974, secs. 201, 202, 206, 211 (42 U.S.C. 5841, 5842, 5846, 5851); National Environmental Policy Act of 1969 (42 U.S.C. 4332); Nuclear Waste Policy Act of 1982, secs. 117(a), 132, 133, 134, 135, 137, 141, 145(g), 148, 218(a) (42 U.S.C. 10137(a), 10152, 10153, 10154, 10155, 10157, 10161, 10165(g), 10168, 10198(a)); 44 U.S.C. 3504 note.

■ 2. In § 72.214, Certificate of Compliance No. 1014 is revised to read as follows:

§ 72.214 List of approved spent fuel storage casks.

* * * * *

Certificate Number: 1014.

Initial Certificate Effective Date: May 31, 2000, superseded by *Renewed Initial Certificate Effective Date:* August 2, 2023.

Amendment Number 1 Effective Date: July 15, 2002, superseded by *Renewed Amendment Number 1 Effective Date:* August 2, 2023.

Amendment Number 2 Effective Date: June 7, 2005, superseded by *Renewed Amendment Number 2 Effective Date:* August 2, 2023.

Amendment Number 3 Effective Date: May 29, 2007, superseded by *Renewed Amendment Number 3 Effective Date:* August 2, 2023.

Amendment Number 4 Effective Date: January 8, 2008, superseded by *Renewed Amendment Number 4 Effective Date:* August 2, 2023.

Amendment Number 5 Effective Date: July 14, 2008, superseded by *Renewed Amendment Number 5 Effective Date:* August 2, 2023.

Amendment Number 6 Effective Date: August 17, 2009, superseded by *Renewed Amendment Number 6 Effective Date:* August 2, 2023.

Amendment Number 7 Effective Date: December 28, 2009, superseded by *Renewed Amendment Number 7 Effective Date:* August 2, 2023.

Amendment Number 8 Effective Date: May 2, 2012, as corrected on November 16, 2012 (ADAMS Accession No. ML12213A170); superseded by *Amendment Number 8, Revision 1, Effective Date:* February 16, 2016; superseded by *Renewed Amendment Number 8, Revision 1 Effective Date:* August 2, 2023.

Amendment Number 9 Effective Date: March 11, 2014, superseded by *Amendment Number 9, Revision 1, Effective Date:* March 21, 2016, as corrected on August 25, 2017 (ADAMS Accession No. ML17236A451); superseded by *Renewed Amendment Number 9, Revision 1 Effective Date:* August 2, 2023.

Amendment Number 10 Effective Date: May 31, 2016, as corrected on August 25, 2017 (ADAMS Accession No. ML17236A452); superseded by *Renewed Amendment Number 10 Effective Date:* August 2, 2023.

Amendment Number 11 Effective Date: February 25, 2019, as corrected (ADAMS Accession No. ML19343B024); superseded by *Renewed Amendment Number 11 Effective Date:* August 2, 2023.

Amendment Number 12 Effective Date: February 25, 2019, as corrected on May 30, 2019 (ADAMS Accession No. ML19109A111); further corrected December 23, 2019 (ADAMS Accession No. ML19343A908); superseded by

Renewed Amendment Number 12
Effective Date: August 2, 2023.

Amendment Number 13 Effective
Date: May 13, 2019, as corrected on May 30, 2019 (ADAMS Accession No. ML19109A122); further corrected December 23, 2019 (ADAMS Accession No. ML19343B156); superseded by *Renewed Amendment Number 13*
Effective Date: August 2, 2023.

Amendment Number 14 Effective
Date: December 17, 2019, as corrected (ADAMS Accession No. ML19343B287); superseded by *Renewed Amendment Number 14*
Effective Date: August 2, 2023.

Amendment Number 15 Effective
Date: June 14, 2021, superseded by *Renewed Amendment Number 15*
Effective Date: August 2, 2023.

Renewed Amendment Number 16
Effective Date: September 9, 2024.

Renewed Amendment Number 17
Effective Date: January 16, 2024.

Renewed Amendment Number 18
Effective Date: November 19, 2024.

Renewed Amendment Number 19
Effective Date: May 27, 2025.

Safety Analysis Report (SAR)
Submitted by: Holtec International.
SAR Title: Final Safety Analysis Report for the HI-STORM 100 Cask System.

Docket Number: 72-1014.
Certificate Expiration Date: May 31, 2020.
Renewed Certificate Expiration Date: May 31, 2060.
Model Number: HI-STORM 100.
* * * * *

Dated: February 28, 2025.
For the Nuclear Regulatory Commission.
Mirela Gavrilas,
Executive Director for Operations.
[FR Doc. 2025-04013 Filed 3-12-25; 8:45 am]
BILLING CODE 7590-01-P

DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration
14 CFR Part 39
[Docket No. FAA-2024-2547; Project Identifier AD-2024-00334-E; Amendment 39-22987; AD-2025-05-15]
RIN 2120-AA64
Airworthiness Directives; General Electric Company Engines
AGENCY: Federal Aviation Administration (FAA), DOT.
ACTION: Final rule.
SUMMARY: The FAA is adopting a new airworthiness directive (AD) for all General Electric Company (GE) Model CT7-2E1 engines. This AD was prompted by a revised analysis using an updated stress model, which calculated that the actual life limit of the CT7-2E1 stage 2 turbine aft cooling plate is less than the current life limit. This AD requires revision of the airworthiness limitations section (ALS) of the existing CT7-2E1 engine maintenance manual (EMM) and the operator's existing approved maintenance program or inspection program, as applicable, to incorporate a reduced life limit for this part. The FAA is issuing this AD to address the unsafe condition on these products.
DATES: This AD is effective April 17, 2025.
ADDRESSES:
AD Docket: You may examine the AD docket at *regulations.gov* under Docket No. FAA-2024-2547; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.
FOR FURTHER INFORMATION CONTACT: Barbara Caufield, Aviation Safety

Engineer, FAA, 2200 South 216th Street, Des Moines, WA 98198 ; phone: (781) 238-7146; email: *barbara.caufield@faa.gov*.

SUPPLEMENTARY INFORMATION:
Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all GE Model CT7-2E1 engines. The NPRM published in the **Federal Register** on December 5, 2024 (89 FR 96618). The NPRM was prompted by a revised analysis using an updated stress model, which calculated that the actual life limit of the GE Model CT7-2E1 engine stage 2 turbine aft cooling plate is less than the current life limit. In the NPRM, the FAA proposed to require revision of the ALS of the existing CT7-2E1 EMM and the operator's existing approved maintenance program or inspection program, as applicable, to incorporate a reduced life limit for the stage 2 turbine aft cooling plate part number 5166T27P01. The FAA is issuing this AD to address the unsafe condition on these products.

Discussion of Final Airworthiness Directive

Comments

The FAA received no comments on the NPRM or on the determination of the costs.

Conclusion

The FAA reviewed the relevant data and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on these products. Except for minor editorial changes, this AD is adopted as proposed in the NPRM.

Costs of Compliance

The FAA estimates that this AD affects eight CT7-2E1 engines installed on airplanes of U.S. registry.

The FAA estimates the following costs to comply with this AD:

ESTIMATED COSTS

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Revise the ALS	1 work-hour × \$85 per hour = \$85	\$0	\$85	\$680

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I,

section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more

detail the scope of the Agency's authority.

The FAA is issuing this rulemaking under the authority described in