



NUCLEAR REGULATORY COMMISSION

10 CFR Part 72

[NRC-2025-0025]

RIN 3150-AL30

List of Approved Spent Fuel Storage Casks: NAC International, Inc., NAC-UMS® Universal Storage System, Certificate of Compliance No. 1015, Renewed Amendment No. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9

AGENCY: Nuclear Regulatory Commission.

ACTION: Direct final rule.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is amending its spent fuel regulations by revising the NAC International, Inc., NAC-UMS® Universal Storage System (NAC-UMS®) design listing within the “List of approved spent fuel storage casks” to include Renewed Amendment No. 10, and to revise Renewed Amendment Nos. 5 through 9 to Certificate of Compliance No. 1015. The addition of Renewed Amendment No. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 for the certificate of compliance (CoC) corrects licensing basis deficiencies and updates the address in the CoC to reflect the new address of the applicant’s headquarters offices.

DATES: This direct final rule is effective **[INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**, unless significant adverse comments are received by **[INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. If this direct final rule is withdrawn as a result of such comments, timely notice of the withdrawal will be published in the *Federal Register*.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-2025-0025, at <https://www.regulations.gov>. If your material cannot be submitted using <https://www.regulations.gov>, call or email the individual listed in the FOR FURTHER INFORMATION CONTACT section of this document for alternate instructions.

You can read a plain language description of this proposed rule at <https://www.regulations.gov/docket/NRC-2025-0025>. 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: Gregory Trussell, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington DC 20555-0001; telephone: 301-415-6244, email: Gregory.Trussell@nrc.gov.

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I. Obtaining Information and Submitting Comments

A. Obtaining Information

Please refer to Docket ID: NRC-2025-0025 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-2025-0025. Address questions about NRC dockets to Helen Chang, telephone: 301-415-3228, email: Helen.Chang@nrc.gov. For technical questions contact the individual 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-2025-0025 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. 10, and the Revision 1 to Renewed Amendment Nos. 5 through 9 to Certificate of Compliance No. 1015 and does not include other aspects of the NAC-UMS[®] Universal Storage Cask System (NAC-UMS[®]) 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 **[INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. However, if the NRC receives any significant adverse comment on this direct final rule by **[INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**, 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 October 19, 2000 (65 FR 62581), that approved the NAC-UMS® design and added it to the list of NRC-approved cask designs in § 72.214 as Certificate of Compliance No. 1015.

IV. Discussion of Changes

On October 10, 2023 (ML23283A249 and ML23291A095), NAC International, Inc submitted a request to the NRC to amend Certificate of Compliance No. 1015. NAC International, Inc supplemented its request on the following dates: February 13, 2024 (ML24044A221), June 26, 2024 (ML24179A058), December 19, 2024 (ML25021A284), January 14, 2025 (ML25014A450), July 17, 2025 (ML25198A286), and August 27, 2025 (ML25240A911). The request includes proposed changes to correct licensing basis deficiencies identified in a NAC International, Inc. letter to the NRC. Renewed Amendment No. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 revise a parameter used in the computation of bending stress in the finite element model used to structurally evaluate a fuel rod under the non-mechanistic tip-over accident condition, and updates the pressurized water reactor (PWR) end drop evaluation using the methodology already approved for the boiling water reactor (BWR) end drop evaluation. In addition, they update the address in the CoC to reflect the new address of the applicant’s headquarters offices.

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. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9 would remain well within the limits specified by 10 CFR part 20, "Standards for Protection Against Radiation." Thus, 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 amended NAC-UMS® 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 NAC-UMS® design that meet the criteria of Renewed Amendment No. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9 to Certificate of Compliance No. 1015.

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 NAC-UMS® 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-429-00-000-1744008458.

A. The Action

The action is to amend § 72.214 to revise the NAC International, Inc., NAC-UMS® design listing within the "List of approved spent fuel storage casks" to add Renewed Amendment No. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9 to Certificate of Compliance No. 1015.

B. The Need for the Action

This direct final rule amends the certificate of compliance for the NAC International, Inc., NAC-UMS® 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. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 revise a parameter used in the computation of bending stress in the finite element model used to structurally evaluate a fuel rod under the non-mechanistic tip-over accident condition, and updates the pressurized water reactor (PWR) end drop evaluation using the methodology already approved for the boiling water reactor (BWR) end drop evaluation. In addition, they update the address in the CoC to reflect the new address of the applicant's headquarters offices.

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 addition of Renewed Amendment No. 10, and Revision 1 of Renewed Amendment Nos. 5 through 9 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 NAC International, Inc. NAC-UMS® 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 and revision do 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. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9 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. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 and not issue the direct final rule. Consequently, any 10 CFR part 72 general licensee that seeks to load spent nuclear fuel into NAC International, Inc. NAC-UMS® design in accordance with the changes described in proposed Renewed Amendment No. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 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 the addition of Renewed Amendment No. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 to Certificate of Compliance No. 1015 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: NAC International, Inc., NAC-UMS® Universal Storage System, Certificate of Compliance No. 1015, Renewed Amendment No. 10, and Revision 1 to Renewed Amendment Nos. 5 through 9," 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 NAC International, Inc. 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 October 19, 2000 (65 FR 62581), the NRC issued an amendment to 10 CFR part 72 that approved the NAC-UMS® design by adding it to the list of NRC-approved cask designs in § 72.214.

On October 10, 2023, and as supplemented on, February 13, 2024, June 26, 2024, December 19, 2024, January 14, 2025, July 17, 2025, and August 27, 2025, NAC International, Inc submitted a request to the NRC to amend Certificate of Compliance No. 1015. NAC International, Inc submitted a request to amend the NAC-UMS® design as described in Section IV, "Discussion of Changes," of this document.

The alternative to this action is to withhold approval of Renewed Amendment No.10, and of Revision 1 to Renewed Amendment Nos. 5 through 9, and to require any 10 CFR part 72 general licensee seeking to load spent nuclear fuel into NAC International, Inc. NAC-UMS® design under the changes described in Renewed Amendment No. 10, and in Revision 1 to Renewed Amendment Nos. 5 through 9 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

This direct final rule adds Amendment No. 10 and revises Amendment Nos. 5 through 9 of the renewed Certificate of Compliance No. 1015 for the NAC-UMS® system, as currently listed in 10 CFR 72.214, "List of approved spent fuel storage casks." Renewed Amendment No. 10 and Revision 1 to Amendment Nos. 5 through 9 to renewed CoC No. 1015 revise a parameter used in the computation of bending stress in the finite element model used to structurally evaluate a fuel rod under the non-mechanistic tip-over accident condition, and updates the PWR end drop evaluation using the methodology already approved for the BWR end drop evaluation to correct licensing basis deficiencies. In addition, they update the address in the CoC to reflect the new address of the applicant's headquarters offices.

For the following reasons, the NRC has determined that the regulations in 10 CFR 72.62, "Backfitting," do not apply to this direct final rule.

Renewed Amendment No.10 to Certificate of Compliance No. 1015 for the NAC International, Inc. NAC-UMS® design was initiated by NAC International, Inc. and was not submitted in response to new NRC requirements or to an NRC request for amendment. Renewed Amendment No. 10 applies only to new casks fabricated and used under Amendment No. 10. These changes do not affect existing users of the NAC International Inc. NAC-UMS® design. While current users of this storage system may comply with the new requirements in Renewed Amendment No. 10, this would be a

voluntary decision on the part of current users. For these reasons, Amendment No. 10 to Certificate of Compliance No. 1015 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.

NAC has manufactured casks under existing Certificate of Compliance No. 1015, Renewed Amendment Nos. 5 through 9, that are being revised by this final rule. As the vendor, NAC is not within the scope of the backfitting provisions in 10 CFR 72.62. Under 10 CFR 72.62, general licensees are entities that are within the scope of the backfitting regulations. However, according to NAC no general licensees are currently using NAC-UMS[®] systems under Certificate of Compliance No. 1015, Renewed Amendment Nos. 5 and 8, which are, in part, the subject of these revisions. Therefore, because CoC No. 1015, Amendment Nos. 5 and 8 are not in use by any licensee, the changes in the revisions for Certificate of Compliance No. 1015, Renewed Amendment Nos. 5 and 8, which are approved in this direct final rule, do not fall within the definition of backfitting under 10 CFR 72.62.

Maine Yankee Atomic Power Company at its Maine Yankee independent spent fuel storage installation (ISFSI) is the only general licensee using Renewed Amendment No. 6 that could be affected by the issuance of Revision 1 to Renewed Amendment No. 6. In a letter to NAC, Maine Yankee Atomic Power Company stated that it intends to adopt the revision to Amendment No. 6, following the NRC approval and issuance. Therefore, because the licensee voluntarily intends to implement the revision, the issuance of Revision 1 to Renewed Amendment No. 6 does not fall within the definition of backfitting under 10 CFR 72.62. In a subsequent letter to the NRC, Maine Yankee Atomic Power Company stated that it plans to adopt Renewed Amendment No. 9 to CoC No. 1015 as part of its work to adopt the renewed Certificate of Compliance No. 1015. In an email to the NRC Maine Yankee Atomic Power Company stated that it also intends to adopt the revision to Renewed Amendment No. 9, following NRC approval and issuance. Therefore, because the licensee voluntarily intends to implement the revision,

the issuance of Revision 1 to Renewed Amendment No. 9 does not fall within the definition of backfitting under 10 CFR 72.62.

Duke Energy at the Catawba and McGuire ISFSIs is the only general licensee using renewed Amendment No. 7 that could be affected by the issuance of Revision 1 to Renewed Amendment No. 7. In a letter to NAC, Duke Energy stated that instead of adopting the revision to the amendment, Catawba and McGuire will be adopting the latest amendment for the NAC-UMS[®] system, Certificate of Compliance No. 1015, Renewed Amendment No.10 after approval from the NRC has been received. Therefore, because the licensee voluntarily intends to adopt the latest Renewed Amendment No. 10, the issuance of Revision 1 to Renewed Amendment No. 7 does not fall within the definition of backfitting under 10 CFR 72.62.

Arizona Public Service Company at the Palo Verde ISFSI is the only general licensee currently using Renewed Amendment No. 9 that could be affected by the issuance of Revision 1 to Renewed Amendment No. 9. In its communications to NAC, Arizona Public Service Company stated that it intends to adopt Renewed Amendment No. 9, Revision 1, once approved. Therefore, because the licensee voluntarily intends to adopt the revision, the issuance of Revision 1 to Renewed Amendment No. 9 does not fall within the definition of backfitting under 10 CFR 72.62.

For the reasons outlined, Renewed Amendment No. 10 and Revision 1 to Renewed Amendment Nos. 5 through 9 do not constitute backfitting under § 72.62. Accordingly, the NRC has not prepared a backfit analysis for this rulemaking.

XIII. Regulatory Planning and Review (E.O. 12866)

Executive Order (E.O.) 12866, as amended by E.O. 14215, provides that the Office of Information and Regulatory Affairs (OIRA) will determine whether a regulatory action is significant as defined by E.O. 12866 and will review significant regulatory actions. OIRA determined that this direct final rule is not a significant regulatory action under E.O. 12866.

XIV. Congressional Review Act

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

XV. Availability of Documents

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

DOCUMENT	ADAMS ACCESSION NO. / WEB LINK / <i>FEDERAL REGISTER</i> CITATION
Renewed Certificate of Compliance No. 1015, Amendments 5 to 9, Revision 1, and Amendment 10 for the Model No. NAC-UMS® Storage System	ML25003A177
User Need Memo for Amendment Nos. 5 through 9, Revision 1, and Amendment No. 10 of the Renewed Certificate of Compliance No. 1015 for the NAC-UMS® Universal Storage System	ML25003A178
Proposed Renewed CoC No. 1015, Amendment No. 5, Revision 1	ML25003A180
Proposed Renewed CoC No. 1015, Amendment No. 5, Revision 1, Appendix A	ML25003A181
Proposed Renewed CoC No. 1015, Amendment No. 5, Revision 1, Appendix B	ML25003A182
Proposed Renewed CoC No. 1015, Amendment No. 6, Revision 1	ML25003A183
Proposed Renewed CoC No. 1015, Amendment No. 6, Revision 1, Appendix A	ML25003A184
Proposed Renewed CoC No. 1015, Amendment No. 6, Revision 1, Appendix B	ML25003A185
Proposed Renewed CoC No. 1015, Amendment No. 7, Revision 1	ML25003A186
Proposed Renewed CoC No. 1015, Amendment No. 7, Revision 1, Appendix A	ML25003A187
Proposed Renewed CoC No. 1015, Amendment No. 7, Revision 1, Appendix B	ML25003A188
Proposed Renewed CoC No. 1015, Amendment No. 8, Revision 1	ML25003A189
Proposed Renewed CoC No. 1015, Amendment No. 8, Revision 1, Appendix A	ML25003A190
Proposed Renewed CoC No. 1015, Amendment No. 8, Revision 1, Appendix B	ML25003A191
Proposed Renewed CoC No. 1015, Amendment No. 9, Revision 1	ML25003A192
Proposed Renewed CoC No. 1015, Amendment No. 9, Revision 1, Appendix A	ML25003A193
Proposed Renewed CoC No. 1015, Amendment No. 9, Revision 1, Appendix B	ML25003A194
Proposed Renewed CoC No. 1015, Amendment No. 10	ML25003A195

Proposed Renewed CoC No. 1015, Amendment No. 10, Appendix A	ML25003A196
Proposed Renewed CoC No. 1015, Amendment No. 10, Appendix B	ML25003A197
Submission of an Amendment Request for NAC-UMS Amendment No. 10 and Revisions to Amendments 5 to 9, dated 10-10-2023	ML23283A249 ML23291A095
Email dated 12-19-2024 related to Applicability of Amendments	ML25021A284
Supplement to Amendment Request, dated 2-13-2024	ML24044A221
Supplement to Amendment Request, dated 6-26-2024	ML24179A058
Request for Exemption from Certain Requirements	ML24094A060
Email dated 1-30-2025 Regarding planned Adoption of Renewed Amendment No.9, Revision 1	ML25031A348
Email dated 1-14-2025 Adopting Amendment No. 9, Revision 1	ML25014A450
Supplement to Amendment Request, dated 7-17-2025	ML25198A286
Supplement to Amendment Request, dated 8-27-2025	ML25240A911
Preliminary Safety Evaluation Report, Model No. NAC-UMS® Universal Storage System, Renewed CoC No. 1015, Amendment Nos. 5 through 9, Revision 1, and Amendment No. 10	ML25029A237

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-2025-0025. 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-2025-0025); 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. 1015 is revised to read as follows:

§ 72.214 List of approved spent fuel storage casks.

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Certificate Number: 1015.

Initial Certificate Effective Date: November 20, 2000, superseded by Renewed Initial

Certificate Effective Date: July 15, 2024.

Amendment Number 1 Effective Date: February 20, 2001, superseded by Renewed

Amendment Number 1 Effective Date: July 15, 2024.

Amendment Number 2 Effective Date: December 31, 2001, superseded by Renewed

Amendment Number 2 Effective Date: July 15, 2024.

Amendment Number 3 Effective Date: March 31, 2004, superseded by Renewed

Amendment Number 3 Effective Date: July 15, 2024.

Amendment Number 4 Effective Date: October 11, 2005, superseded by Renewed

Amendment Number 4 Effective Date: July 15, 2024.

Amendment Number 5 Effective Date: January 12, 2009, superseded by Renewed

Amendment Number 5 Effective Date: July 15, 2024, **superseded by Renewed Amendment Number 5, Revision 1 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].**

Amendment Number 6 Effective Date: January 7, 2019, superseded by Renewed

Amendment Number 6 Effective Date: July 15, 2024, **superseded by Renewed Amendment Number 6, Revision 1 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].**

Amendment Number 7 Effective Date: July 29, 2019, superseded by Renewed

Amendment Number 7 Effective Date: July 15, 2024, **superseded by Renewed Amendment Number 7, Revision 1 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].**

Amendment Number 8 Effective Date: October 19, 2021, as corrected (ADAMS

Accession No. ML21312A499); superseded by Renewed Amendment Number 8

Effective Date: July 15, 2024; **superseded by Renewed Amendment Number 8,**

Revision 1 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

Amendment Number 9 Effective Date: August 29, 2022, superseded by Renewed

Amendment Number 9 Effective Date: July 15, 2024, **superseded by Renewed**

Amendment Number 9, Revision 1 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

Renewed Amendment Number 10 Effective Date: [INSERT DATE 75 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

SAR Submitted by: NAC International, Inc.

SAR Title: Final Safety Analysis Report for the NAC-UMS® Universal Storage System.

Docket Number: 72-1015.

Certificate Expiration Date: November 20, 2060.

Model Number: NAC-UMS.

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Dated: November 19, 2025.

For the Nuclear Regulatory Commission.

Michael King,
Acting Executive Director for Operations.

[FR Doc. 2025-22229 Filed: 12/5/2025 8:45 am; Publication Date: 12/8/2025]