

NUCLEAR REGULATORY COMMISSION

[Docket Nos. 72–65, 50–352, and 50–353; NRC–2024–0083]

Constellation Energy Generation, LLC.; Limerick Generating Station, Units 1 and 2; Independent Spent Fuel Storage Installation; Exemption

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) issued an exemption to Constellation Energy Generation, LLC., permitting Limerick Generating Station (LGS) to maintain three loaded and to load five new 89 multi-purpose canisters (MPC) with continuous basket shims in the HI–STORM Flood/Wind MPC Storage System at its LGS Units 1 and 2 Independent Spent Fuel Storage Installation in a storage condition where the terms, conditions, and specifications in the Certificate of Compliance No. 1032, Amendment No. 1, Revision No. 1 are not met.

DATES: The exemption was issued on May 8, 2024.

ADDRESSES: Please refer to Docket ID NRC–2024–0083 when contacting the NRC about the availability of information regarding this document. You may obtain publicly available information related to this document using any of the following methods:

- *Federal Rulemaking Website:* Go to <https://www.regulations.gov> and search for Docket ID NRC–2024–0083. Address questions about Docket IDs in *Regulations.gov* to Stacy Schumann; telephone: 301–415–0624; email: Stacy.Schumann@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, at 301–415–4737, or by email to PDR.Resource@nrc.gov. The ADAMS accession number for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in this document.

- *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 (ET), Monday through Friday, except Federal holidays.

FOR FURTHER INFORMATION CONTACT: Christian Jacobs, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555; telephone: 301–415–6825; email: Christian.Jacobs@nrc.gov.

SUPPLEMENTARY INFORMATION: The text of the exemption is attached.

Dated: May 13, 2024.

For the Nuclear Regulatory Commission.

Bernard H. White,

Acting Chief, Storage and Transportation Licensing Branch, Division of Fuel Management, Office of Nuclear Material Safety, and Safeguards.

Attachment—Exemption

NUCLEAR REGULATORY COMMISSION

Docket Nos. 72–65, 50–352, and 50–353

Constellation Energy Generation, LLC.; Limerick Generating Station Units 1 and 2; Independent Spent Fuel Storage Installation

I. Background

Constellation Energy Generation, LLC (Constellation) is the holder of Renewed Facility Operating License Nos. NPF–39 and NPF–85, which authorize operation of the Limerick Generating Station (LGS) Units 1 and 2 in Limerick, Pennsylvania, pursuant to Part 50 of Title 10 of the *Code of Federal Regulations* (10 CFR), “Domestic Licensing of Production and Utilization Facilities.” The licenses provide, among other things, that the facility is subject to all rules, regulations, and orders of the U.S. Nuclear Regulatory Commission (NRC) now or hereafter in effect.

Consistent with 10 CFR part 72, subpart K, “General License for Storage of Spent Fuel at Power Reactor Sites,” a general license is issued for the storage of spent fuel in an Independent Spent Fuel Storage Installation (ISFSI) at power reactor sites to persons authorized to possess or operate nuclear power reactors under 10 CFR part 50. Constellation is authorized to operate nuclear power reactors under 10 CFR part 50 and holds a 10 CFR part 72 general license for storage of spent fuel at the LGS ISFSI. Under the terms of the general license, Constellation stores spent fuel at its LGS ISFSI using the HI–STORM Flood/Wind (FW) Multi-

Purpose Canister (MPC) Storage System in accordance with Certificate of Compliance (CoC) No. 1032, Amendment No. 1, Revision No. 1.

II. Request/Action

By a letter dated April 5, 2024 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML24096A137), Constellation requested an exemption from the requirements of 10 CFR 72.212(a)(2), 72.212(b)(3), 72.212(b)(5)(i), 72.212(b)(11), and 72.214 that require the LGS to comply with the terms, conditions, and specifications of the CoC No. 1032, Amendment No. 1, Revision No. 1 (ML15152A358). If approved, Constellation’s exemption request would accordingly allow the LGS to maintain three loaded and to load five MPCs with continuous basket shims (CBS) (*i.e.*, MPC–89–CBS) in the HI–STORM FW MPC Storage System, and thus, to maintain and load the systems in a storage condition where the terms, conditions, and specifications in the CoC No. 1032, Amendment No. 1, Revision No. 1, are not met.

Constellation currently uses the HI–STORM FW MPC Storage System under CoC No. 1032, Amendment No. 1, Revision No. 1, for dry storage of spent nuclear fuel in MPC–89 at the LGS ISFSI. Holtec International (Holtec), the designer and manufacturer of the HI–STORM FW MPC Storage System, developed a variant of the design with CBS for the MPC–89 known as MPC–89–CBS. Holtec performed a non-mechanistic tip-over analysis with favorable results and implemented the CBS variant design under the provisions of 10 CFR 72.48, “Changes, tests, and experiments,” which allows licensees to make changes to cask designs without a CoC amendment under certain conditions (listed in 10 CFR 72.48(c)). After evaluating the specific changes to the cask designs, the NRC determined that Holtec erred when it implemented the CBS variant design under 10 CFR 72.48, as this is not the type of change allowed without a CoC amendment. For this reason, the NRC issued three Severity Level IV violations to Holtec (ML24016A190).

Prior to the issuance of the violations, Constellation had loaded three MPC–89–CBS in the HI–STORM FW MPC Storage System, which are safely in storage at the LGS ISFSI.

Constellation’s near-term loading campaign for the LGS ISFSI include plans to load five MPC–89–CBS in the HI–STORM FW MPC Storage System beginning in August 2024. While Holtec was required to submit a CoC

amendment to the NRC to seek approval of the CBS variant design, such a process will not be completed in time to inform decisions for this near-term loading campaign. Therefore, Constellation submitted this exemption request in order to allow for the continued storage of the three already loaded MPC-89-CBS, and future loading of five MPC-89-CBS beginning in August 2024 at the LGS ISFSI. This exemption is limited to the use of MPC-89-CBS in the HI-STORM FW MPC Storage System only for the three already loaded canisters and specific near-term planned loading of five new canisters using the MPC-89-CBS variant basket design.

III. Discussion

Pursuant to 10 CFR 72.7, "Specific exemptions," the Commission may, upon application by any interested person or upon its own initiative, grant such exemptions from the requirements of the regulations of 10 CFR part 72 as it determines are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest.

A. The Exemption Is Authorized by Law

This exemption would allow Constellation to maintain three loaded and to load five MPC-89-CBS in the HI-STORM FW MPC Storage System at its LGS ISFSI in a storage condition where the terms, conditions, and specifications in the CoC No. 1032, Amendment No. 1, Revision No. 1, are not met. Constellation is requesting an exemption from the provisions in 10 CFR part 72 that require the licensee to comply with the terms, conditions, and specifications of the CoC for the approved cask model it uses. Section 72.7 allows the NRC to grant exemptions from the requirements of 10 CFR part 72. This authority to grant exemptions is consistent with the Atomic Energy Act of 1954, as amended, and is not otherwise inconsistent with the NRC's regulations or other applicable laws. Additionally, no other law prohibits the activities that would be authorized by the exemption. Therefore, the NRC concludes that there is no statutory prohibition on the issuance of the requested exemption, and the NRC is authorized to grant the exemption by law.

B. The Exemption Will Not Endanger Life or Property or the Common Defense and Security

This exemption would allow Constellation to maintain three loaded and to load five MPC-89-CBS in the HI-STORM FW MPC Storage System at

the LGS ISFSI in a storage condition where the terms, conditions, and specifications in the CoC No. 1032, Amendment No. 1, Revision No. 1, are not met. In support of its exemption request, Constellation asserts that issuance of the exemption would not endanger life or property because the administrative controls the applicant has in place prevent a tip-over or handling event, and that the containment boundary would be maintained in such an event. Constellation relies, in part, on the approach in the NRC's Safety Determination Memorandum (ML24018A085). The NRC issued this Safety Determination Memorandum to address whether, with respect to the enforcement action against Holtec regarding this violation, there was any need to take an immediate action for the cask systems that were already loaded with non-compliant basket designs. The Safety Determination Memorandum documents a risk-informed approach concluding that, during the design basis event of a non-mechanistic tip-over, the fuel in the basket in the MPC-89-CBS remains in a subcritical condition.

Constellation also provided site-specific technical information, including information explaining why the use of the approach in the NRC's Safety Determination Memorandum is appropriate for determining the safe use of the CBS variant baskets at the LGS ISFSI. Specifically, Constellation described that the analysis of the tip-over design basis event that is relied upon in the NRC's Safety Determination Memorandum, which demonstrates that the MPC confinement barrier is maintained, is documented in the updated final safety analysis report (UFSAR) for the HI-STORM FW MPC Storage System CoC No. 1032, Amendment 1, Revision No. 1, that is used at the LGS site. Constellation also described its administrative controls for handling of the HI-STORM FW MPC Storage System at the LGS ISFSI to prevent a tip-over or handling event. Those controls include using single-failure-proof handling systems as defined in Section 5.1.6 of NUREG-0612, "Control of Heavy Loads at Nuclear Power Plants". The LGS's UFSAR Section 9.1.5.4 indicates that the single failure proof design of the reactor enclosure crane conforms to NUREG-0554, "Single-Failure-Proof Cranes for Nuclear Power Plants". Constellation referenced their "Rigging and Lifting Program", "Control of Heavy Loads Program" and "Limerick Generating Station Rigging and Handling Heavy Loads" to further

demonstrate that the LGS has applicable operational procedures in place to safely load, process, transfer and move the MPCs in accordance with the Technical Specifications in Appendix A of the CoC and the HI-STORM FW UFSAR.

Additionally, Constellation provided specific information from the LGS's 72.212 Evaluation Report, Revision 3, indicating that during the design basis event of a non-mechanistic tip-over, the LGS's ISFSI would meet the requirements in 10 CFR 72.104, "Criteria for radioactive materials in effluents and direct radiation from an ISFSI or MRS," and 72.106, "Controlled area of an ISFSI or MRS." Specifically, Constellation described that, in the highly unlikely event of a tip-over, any potential fuel damage from a non-mechanistic tip-over event would be localized, the confinement barrier would be maintained, and the shielding material would remain intact. Coupled with the distance of the LGS ISFSI to the site area boundary, Constellation concluded that compliance with 72.104 and 72.106 is not impacted by approving this exemption request.

The NRC staff reviewed the information provided by Constellation and concludes that issuance of the exemption would not endanger life or property because the administrative controls Constellation has in place at the LGS ISFSI sufficiently minimize the possibility of a tip-over or handling event, and that the containment boundary would be maintained in such an event. The staff confirmed that these administrative controls are documented in the technical specifications and UFSAR for the HI-STORM FW MPC Storage System CoC No. 1032, Amendment 1, Revision No. 1, that is used at the LGS site. In addition, the staff confirmed that the information provided by Constellation regarding the LGS's 72.212 Evaluation Report, Revision 3, demonstrates that the consequences of normal and accident conditions would be within the regulatory limits of the 10 CFR 72.104 and 10 CFR 72.106. The staff also determined that the requested exemption is not related to any aspect of the physical security or defense of the LGS ISFSI; therefore, granting the exemption would not result in any potential impacts to common defense and security.

For these reasons, the NRC staff has determined that under the requested exemption, the storage system will continue to meet the safety requirements of 10 CFR part 72 and the offsite dose limits of 10 CFR part 20 and, therefore, will not endanger life or

property or the common defense and security.

C. The Exemption Is Otherwise in the Public Interest

The proposed exemption would allow the three already loaded MPC-89-CBS in the HI-STORM FW MPC Storage System to remain in storage at the LGS ISFSI and allow Constellation to load five MPC-89-CBS in the HI-STORM FW MPC Storage System beginning in August 2024 at the LGS ISFSI, even though the CBS variant basket design is not part of the approved CoC No. 1032, Amendment No. 1, Revision No. 1. According to Constellation, the exemption is in the public interest because unloading fuel from already loaded canisters and not being able to load fuel into dry storage in future loading campaigns would impact Constellation's ability to offload fuel from the LGS reactor units, consequently impacting continued safe reactor operation. The refueling of the MPCs, removal of fuel assemblies, and replacement into a different MPC would result in additional doses and handling operations with no added safety benefit. In addition, future loading campaigns would need to be delayed until older design canisters can be fabricated and delivered to the site.

Constellation stated that to unload already loaded MPC-89-CBS or delay the future loading campaigns would impact the ability to effectively manage the margin to full core discharge capacity in the LGS Units 1 and 2 spent fuel pools. The low spent fuel pool capacity would make it difficult to refuel and present potential risks to fuel handling operations during pre- and post-outage. In addition, a crowded spent fuel pool would challenge the decay heat removal demand of the pool and increase the likelihood of a loss of fuel pool cooling event and a fuel handling accident. Furthermore, the LGS planned the cask loading campaigns years in advance based on availability of the specialized workforce and equipment that is shared throughout the Constellation fleet. These specialty resources support competing priorities including refueling outages, loading campaigns, fuel pool cleanouts, fuel inspections, fuel handling equipment upgrade and maintenance, fuel sipping, new fuel receipt, and crane maintenance and upgrades. Any delays would have a cascading impact on other scheduled specialized activities.

For the reasons described by Constellation in the exemption request, the NRC agrees that it is in the public interest to grant the exemption. If the exemption is not granted, in order to

comply with the CoC, Constellation would have to unload MPC-89-CBS from the HI-STORM FW MPC Storage System at the LGS ISFSI and reload into the older design MPC-89 to restore compliance with terms, conditions, and specifications of the CoC. This would subject onsite personnel to additional radiation exposure, increase the risk of a possible fuel handling accident, and increase the risk of a possible heavy load handling accident. Furthermore, the removed spent fuel would need to be placed in the spent fuel pool until it can be loaded into another storage cask or remain in the spent fuel pool if it is not permitted to be loaded into casks for future loading campaigns. As described by Constellation, this scenario would affect Constellation's ability to effectively manage the spent pool capacity and reactor fuel offloading at the LGS. In addition, the rescheduling of the specialized resources for the future loading campaigns would impact the operations of the LGS and other Constellation sites.

Therefore, the staff concludes that approving the exemption is in the public interest.

Environmental Consideration

The NRC staff also considered whether there would be any significant environmental impacts associated with the exemption. For this proposed action, the NRC staff performed an environmental assessment pursuant to 10 CFR 51.30. The environmental assessment concluded that the proposed action would not significantly impact the quality of the human environment. The NRC staff concluded that the proposed action would not result in any changes in the types or amounts of any radiological or non-radiological effluents that may be released offsite, and there would be no significant increase in occupational or public radiation exposure because of the proposed action. The environmental assessment and the finding of no significant impact was published on May 8, 2024 (89 FR 38921).

IV. Conclusion

Based on these considerations, the NRC has determined that, pursuant to 10 CFR 72.7, the exemption is authorized by law, will not endanger life or property or the common defense and security, and is otherwise in the public interest. Therefore, the NRC grants Constellation an exemption from the requirements of §§ 72.212(a)(2), 72.212(b)(3), 72.212(b)(5)(i), 72.212(b)(11), and 72.214 with respect to the ongoing storage of three MPC-89-CBS in the HI-STORM FW MPC Storage

System and a future loading in the HI-STORM FW MPC Storage System of five new MPC-89-CBS beginning in August 2024.

This exemption is effective upon issuance.

Dated: May 8, 2024.

For the Nuclear Regulatory Commission.
/RA/

Yaira Diaz-Sanabria,

Chief, Storage and Transportation Licensing Branch, Division of Fuel Management, Office of Nuclear Material Safety, and Safeguards.

[FR Doc. 2024-10778 Filed 5-15-24; 8:45 am]

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POSTAL REGULATORY COMMISSION

[Docket Nos. CP2022-134; CP2023-56; MC2024-280 and CP2024-286; MC2024-281 and CP2024-287]

New Postal Products

AGENCY: Postal Regulatory Commission.

ACTION: Notice.

SUMMARY: The Commission is noticing a recent Postal Service filing for the Commission's consideration concerning a negotiated service agreement. This notice informs the public of the filing, invites public comment, and takes other administrative steps.

DATES: *Comments are due:* May 16, 2024.

ADDRESSES: Submit comments electronically via the Commission's Filing Online system at <http://www.prc.gov>. Those who cannot submit comments electronically should contact the person identified in the **FOR FURTHER INFORMATION CONTACT** section by telephone for advice on filing alternatives.

FOR FURTHER INFORMATION CONTACT: David A. Trissell, General Counsel, at 202-789-6820.

SUPPLEMENTARY INFORMATION:

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- I. Introduction
- II. Docketed Proceeding(s)

I. Introduction

The Commission gives notice that the Postal Service filed request(s) for the Commission to consider matters related to negotiated service agreement(s). The request(s) may propose the addition or removal of a negotiated service agreement from the Market Dominant or the Competitive product list, or the modification of an existing product currently appearing on the Market Dominant or the Competitive product list.