

RS-25-003

10 CFR 50.90

January 13, 2025

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

Three Mile Island Nuclear Station, Unit 1  
Renewed Facility License No. DPR-50  
NRC Docket No. 50-289

Subject: License Amendment Request - Application to Approve Facility Name Change from Three Mile Island, Unit 1 to Christopher M. Crane Clean Energy Center

Reference: Constellation Press Release: Constellation to Launch Crane Clean Energy Center, Restoring Jobs and Carbon-Free Power to The Grid<sup>1</sup>

On September 20, 2024, Constellation Energy Generation, LLC (CEG) announced the restart of Three Mile Island, Unit 1 (TMI-1) and its intent to change TMI-1's name to the Christopher M. Crane Clean Energy Center (Crane Clean Energy Center or CCEC) (Reference). In accordance with 10 CFR § 50.90, "Application for amendment of license, construction permit, or early site permit," CEG requests an amendment to Renewed Facility License (RFL) No. DPR-50 for TMI-1 to reflect this name change.

CEG has concluded that the proposed change involves a "no significant hazard consideration" under the standards set forth in 10 CFR § 50.92, "Issuance of amendment."

The proposed changes have been reviewed and approved by the TMI-1 Safety Review Committee in accordance with the requirements of the Constellation Decommissioning Quality Assurance Program.

This amendment request contains no regulatory commitments.

Attachment 1 provides the evaluation of the proposed change. Attachment 2 provides a copy of the marked-up RFL and Technical Specifications (TS) that reflect the proposed changes.

To ensure that future licensing actions and docketed correspondence related to restart of TMI-1 include the new facility name and to avoid any additional burden, CEG requests approval of the proposed amendment by May 23, 2025. Upon NRC approval, CEG will implement the amendment

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<sup>1</sup><https://www.constellationenergy.com/newsroom/2024/Constellation-to-Launch-Crane-Clean-Energy-Center-Restoring-Jobs-and-Carbon-Free-Power-to-The-Grid.html>

within 60 days of issuance. Modification to respective TS Bases for the proposed TS changes will occur upon approval of this LAR.

In accordance with 10 CFR § 50.91, "Notice for public comment; State consultation," paragraph (b), CEG is notifying the Commonwealth of Pennsylvania of this application by transmitting a copy of this letter and its attachments to the designated State Official.

Should you have any questions concerning this letter, please contact Dennis Moore at 779-231-5605.

Respectfully,

**Barstow, James** Digitally signed by Barstow,  
James  
Date: 2025.01.13 11:05:03 -05'00'

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James Barstow  
Director, Licensing  
Constellation Energy Generation, LLC

Attachment(s):      1.      Evaluation of proposed change  
                             2.      Markup of proposed Renewed Facility License and Technical  
   Specification pages

cc:      NRC Regional Administrator – Region I  
            NRC Director, NRR – DORL  
            NRC Deputy Director, NRR – DORL  
            NRC Project Manager, NRR-DORL – Three Mile Island, Unit 1  
            NRC Project Manager, NMSS – Three Mile Island, Unit 1  
            Director, Bureau of Radiation Protection – Pennsylvania Department of Environmental  
            Protection  
            Chairman, Board of County Commissioners of Dauphin County  
            Chairman, Board of Supervisors of Londonderry Township

ATTACHMENT 1  
Evaluation of Proposed Change

## SUMMARY DESCRIPTION

This license amendment request (LAR) proposes to amend Renewed Facility License (RFL) No. DPR-50 for Three Mile Island Station, Unit 1 to reflect a change in the name of the facility from “Three Mile Island, Unit 1” to “Christopher M. Crane Clean Energy Center.”

On September 20, 2024, Constellation Energy Generation, LLC (CEG) announced the restart of Three Mile Island, Unit 1 (TMI-1) and its intent to change TMI-1’s name to the Christopher M. Crane Clean Energy Center (Crane Clean Energy Center or CCEC) (Reference 1). In conjunction with this announcement, CEG held a public meeting with the NRC in Rockville, MD, on October 25, 2024, to introduce its technical approach and regulatory activities intended to support NRC reauthorization of the TMI-1 Operating License. On November 4, 2024, CEG submitted a letter to the NRC proposing a regulatory path to reauthorize power operations at TMI-1 (Reference 2) consistent with Inspection Manual Chapter 2562, “Lightwater Reactor Inspection Program for Restart of Reactor Facilities Following Permanent Cessation of Power Operations.” The regulatory path letter provides a more complete discussion of the specific steps CEG contemplates for obtaining NRC authorization for restart. On November 19, 2024, CEG submitted a Request for Exemption from Certain Termination of License Requirements of 10 CFR 50.82 formally initiating the regulatory process for obtaining NRC authorization for restart (Reference 3).

## DETAILED DESCRIPTION

CEG is submitting proposed revisions to the RFL and its appendix, the Post-Defueled Technical Specifications (PDTS) reflecting the name change from TMI-1 to CCEC for NRC review and approval. All instances of the facility name “Three Mile Island, Unit 1” have been changed to either “Christopher M. Crane Clean Energy Center” or “Crane Clean Energy Center” or “CCEC” as appropriate.

In alignment with the regulatory path to reauthorize power operations at TMI-1 (Reference 2), CEG will be submitting subsequent LARs to restore the TMI-1 operating reactor licensing basis (ORLB). In July 2025, CEG expects to submit the first of the restoration LARs to update the Operating License and Technical Specifications (TS) to the previously approved state at the time of shutdown. To avoid confusion and any additional burden on NRC that may be caused by these subsequent LARs and future docketed materials, CEG is requesting NRC approval of this proposed amendment by May 23, 2025.

Once approved, the name change will be reflected in the Updated Final Safety Analysis Report (UFSAR), which is incorporated by reference in the PDTS, as well as future regulatory submissions. As required, modification to respective TS Bases for the proposed TS changes will occur upon approval of this LAR.

## TECHNICAL EVALUATION

The proposed changes are administrative and involve only a facility name change. CEG remains the same legal entity and continues to be the licensed owner and operator. Thus, there is no change in the ownership, state of incorporation, registered agent, registered office, directors, officers, rights or liabilities of the corporation, nor is there a change, in the function of the corporation or the way in which it does business. The corporation's financial responsibility for CCEC and its sources of funds to support the facility will remain the same as they were and are for TMI-1.

ATTACHMENT 1  
Evaluation of Proposed Change

Further, this name change does not impact the facility's ability to comply with any of its obligations or responsibilities under the RFL. The change of the facility name from "Three Mile Island, Unit 1" to "Christopher M. Crane Clean Energy Center" is an administrative change and CEG does not foresee requiring a technical, financial qualification, or an antitrust review. Therefore, this change does not reduce the level of safety imposed by the current RFL or Technical Specifications.

## REGULATORY EVALUATION

### Applicable Regulatory Requirements/Criteria

The proposed license changes are administrative in nature. These changes identify a name change for TMI-1 only. These changes are considered administrative since the proposed changes do not reflect any change to the company structure or governance. No physical changes will be made and there will be no change in the day-to-day operations of the facility. Therefore, the proposed license amendment does not adversely affect nuclear safety or safe plant operations.

### Precedent

On October 12, 2000, Energy Northwest requested a license amendment to change the name of WNP-2 to Columbia Generating Station (Reference 4). On November 30, 2000, NRC completed Environmental Assessment and Finding of No Significant Impact for the facility name change (Reference 5). The facility name change was subsequently approved by NRC on January 8, 2001 (Reference 6).

### No Significant Hazards Consideration

In accordance with 10 CFR § 50.92, CEG has concluded that the proposed changes do not involve a significant hazards consideration (SHC). The basis for the conclusion that the proposed changes do not involve a SHC is as follows:

*1. The proposed changes do not involve a significant increase in the probability or consequences of an accident previously evaluated.*

This request is for administrative changes only. No actual facility equipment or accident analyses will be affected by the proposed changes. Therefore, this request has no impact on the probability or consequences of an accident previously evaluated.

*2. The proposed changes do not create the possibility of a new or different kind of accident from any previously evaluated.*

This request is for administrative changes only. No actual facility equipment or accident analyses will be affected by the proposed changes and no failure modes not bounded by previously evaluated accidents will be created. Therefore, this request does not create the possibility of a new or different kind of accident from any accident previously evaluated.

*3. The proposed changes do not involve a significant reduction in the margin of safety.*

Margin of safety is associated with confidence in the ability of the fission product barriers (i.e., fuel cladding, reactor coolant system pressure boundary, and

## ATTACHMENT 1 Evaluation of Proposed Change

containment structure) to limit the level of radiation dose to the public. This request is for administrative changes only. No actual plant equipment or accident analyses will be affected by the proposed changes. Additionally, the proposed changes will not relax any criteria used to establish safety limits, will not relax any safety system settings, and will not relax the bases for any limiting conditions of operation. Therefore, these proposed changes do not involve a significant reduction in a margin of safety.

Based on the above, CEG concludes that the proposed amendment does not involve a significant hazards consideration under the standards set forth in 10 CFR § 50.92(b), and, accordingly, a finding of "no significant hazards consideration" is justified.

### Conclusion

Based on the considerations discussed above, (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

### ENVIRONMENTAL CONSIDERATION

The primary purpose of this administrative change is to honor the legacy of a former CEG leader through renaming TMI-1, which facilitates the orderly conduct of CEG's business.

The proposed amendment is confined to (i) changes to surety, insurance, and/or indemnity requirements, or (ii) changes to recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the proposed amendment meets the eligibility criterion for categorical exclusion set forth in 10 CFR § 51.22(c)(10), as explained in the Federal Register on March 12, 1984 (49 FR 9373), when the categorical exclusion rule was published. Therefore, pursuant to 10 CFR § 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the proposed amendment.

### REFERENCES

1. Constellation Press Release: Constellation to Launch Crane Clean Energy Center, Restoring Jobs and Carbon-Free Power to The Grid  
<https://www.constellationenergy.com/newsroom/2024/Constellation-to-Launch-Crane-Clean-Energy-Center-Restoring-Jobs-and-Carbon-Free-Power-to-The-Grid.html>
2. Constellation Energy Generation, LLC letter to U.S. Nuclear Regulatory Commission, "Regulatory Path to Reauthorize Power Operations," dated November 4, 2024(ADAMS Accession No. ML24310A104)
3. Constellation Energy Generation, LLC letter to U.S. Nuclear Regulatory Commission, "Request for Exemption from Certain Termination of License Requirements of 10 CFR 50.82," dated November 19, 2024 (ADAMS Accession No. ML24324A048)
4. Letter from Energy Northwest to U.S. Nuclear Regulatory Commission, "WNP-2, Operating License NPF-21, Request for Amendment, Facility Name Change to Columbia Generating Station," dated October 12, 2000 (ADAMS Accession No. ML003765437)

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5. Letter from U.S. Nuclear Regulatory Commission to Energy Northwest, "WNP-2, Letter, Environmental Assessment Regarding Facility Name Change to Columbia Generating Station", dated November 30, 2000 (ADAMS Accession No. ML003773317)
6. Letter from U.S. Nuclear Regulatory Commission to Energy Northwest, "WNP-2 - Issuance of Amendment Regarding Change of Facility Name", dated January 8, 2001 (ADAMS Accession No. ML010100366)

## **ATTACHMENT 2**

License Amendment Request

Three Mile Island Nuclear Station, Unit 1  
Renewed Facility License No. DPR-50  
NRC Docket No. 50-289

MARKUP OF PROPOSED RENEWED FACILITY LICENSE  
AND TECHNICAL SPECIFICATION PAGES



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

CONSTELLATION ENERGY GENERATION, LLC

**Christopher M. Crane Clean Energy Center**

~~(Three Mile Island Nuclear Station, Unit 1)~~

DOCKET NO. 50-289

RENEWED FACILITY LICENSE

Renewed License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) having found that:
  - a. The application for a renewed license filed by the applicant complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter 1 and all required notifications to other agencies or bodies have been duly made;
  - b. DELETED
  - c. The facility will be maintained in conformity with the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
  - d. There is a reasonable assurance: (1) that the activities authorized by this renewed license can be conducted without endangering the health and safety of the public, and (2) that such activities will be conducted in compliance with the rules and regulations of the Commission;
  - e. Constellation Energy Generation, LLC is technically and financially qualified to engage in the activities authorized by this renewed operating license in accordance with the rules and regulations of the Commission;
  - f. Constellation Energy Generation, LLC has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
  - g. The issuance of this renewed license will not be inimical to the common defense and security or to the health and safety of the public;
  - h. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Renewed Facility License No. DPR-50 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied;



- i. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40, and 70, including 10 CFR Section 30.33, 40.32, 70.23 and 70.31.
  - j. DELETED
2. Renewed Facility License No. DPR-50 is hereby issued to Constellation Energy Generation, LLC to read as follows:
- Christopher M. Crane Clean Energy Center (Crane Clean Energy Center or CCEC)**
- a. This renewed license applies to the ~~Three Mile Island Nuclear Station, Unit 1~~, a pressurized water reactor and associated equipment (the facility), owned by Constellation Energy Generation, LLC. The facility is located in Dauphin County, Pennsylvania, and is described in the "Updated Final Safety Evaluation Report (UFSAR)" as supplemented and amended and the Environmental Report as supplemented and amended.
  - b. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
    - (1) Constellation Energy Generation, LLC pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess and use the facility as required for fuel storage in accordance with the procedures and limitations set forth in this renewed license;
    - (2) Constellation Energy Generation, LLC pursuant to the Act and 10 CFR Parts 30, 40 and 70 to possess at any time any byproduct, source and special nuclear material used previously as reactor fuel, sealed neutron sources used previously for reactor startup, as fission detectors, and sealed sources for reactor instrumentation and to possess and use at any time any byproduct, source and special nuclear material as sealed sources for radiation monitoring equipment calibration in amounts as required;

- (3) Constellation Energy Generation, LLC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess at either ~~TMI-1~~ or TMI-2, and use in amounts as required for ~~TMI-1~~ any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis, testing, instrument calibration, or associated with radioactive apparatus or components. Other than radioactive apparatus and components to be used at TMI Unit 2 in accordance with the TMI-2 License, the radioactive apparatus and components that may be moved from ~~TMI Unit 1~~ to TMI Unit 2 under this provision shall be limited to: (1) outage-related items (such as contaminated scaffolding, tools, protective clothing, portable shielding and decontamination equipment); and (2) other equipment belonging to ~~TMI Unit 1~~ when storage of such equipment at TMI-2 is deemed necessary for load handling or contamination control considerations; CCEC CCEC CCEC CCEC
- (4) Constellation Energy Generation, LLC, pursuant to the Act and 10 CFR Parts 30 and 70, to possess at the ~~TMI Unit 1~~ or Unit 2 site, but not separate, such byproduct and special nuclear materials that were produced by the operation of either unit. Radioactive waste may be moved from TMI Unit 2 to ~~TMI Unit 1~~ under this provision for collection, processing (including decontamination), packaging, and temporary storage prior to disposal. Radioactive waste that may be moved from ~~TMI Unit 1~~ to TMI Unit 2 under this provision shall be limited to: (1) dry active waste (DAW) temporarily moved to TMI Unit 2 during waste collection activities, and (2) contaminated liquid contained in shared system piping and tanks. Radioactive waste that may be moved from ~~TMI Unit 1~~ to TMI Unit 2 under this provision shall not include spent fuel, spent resins, filter sludge, evaporator bottoms, contaminated oil, or contaminated liquid filters. CCEC or TMI CCEC CCEC CCEC
- The storage of radioactive materials or radwaste generated at TMI Unit 2 and stored at ~~TMI Unit 1~~ shall not result in a source term that, if released, would exceed that previously analyzed in the UFSAR in terms of off-site dose consequences. CCEC
- The storage of radioactive materials or radwaste generated at ~~TMI Unit 1~~ and stored at TMI Unit 2 shall not result in a source term that, if released, would exceed that previously analyzed in the PDMS SAR for TMI Unit 2 in terms of off-site dose consequences. CCEC

- c. This renewed license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Section 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

- (1) DELETED

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. ~~304~~, are hereby incorporated in the license. Constellation Energy Generation, LLC shall maintain the facility in accordance with the Permanently Defueled Technical Specifications (PDTs).

(3) Physical Protection

Constellation Energy, LLC shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualification, and safeguards contingency plans including amendments made pursuant to 10 CFR 72.212(b)(9) and the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans,<sup>1</sup> submitted by letter dated April 29, 2021 (ML21145A183), as supplemented on May 6, 2022 (ML22126A140) and May 26, 2022 (ML22146A349 (nonpublic)) is titled: "Three Mile Island Nuclear Station Independent Spent Fuel Storage Installation Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan, Revision 0." This set contains Safeguards Information protected under 10 CFR 73.21.

(4) DELETED

(5) DELETED

(6) Inservice Testing - DELETED

(7) Aircraft Movements - DELETED

(8) Repaired Steam Generators - DELETED

(9) Long Range Planning Program – DELETED

Sale and License Transfer Conditions

- (10) Constellation Energy Generation, LLC shall provide to the Director of the Office of Nuclear Reactor Regulation or the Director of the Office of Nuclear Material Safety and Safeguards, as applicable, a copy of any application, at the time it is filed, to transfer (excluding grants of security interests or liens) from Constellation Energy Generation, LLC to its direct or indirect parent, or to any other affiliated company, facilities for the production, transmission, or distribution of electric energy having a depreciated book value exceeding ten percent (10%) of Constellation Energy Generation, LLC's consolidated net utility plant, as recorded on Constellation Energy Generation, LLC's books of account.

(11) DELETED

(12) DELETED

<sup>1</sup> The Training and Qualification Plan and Safeguards Contingency Plan are Appendices to the Security Plan.

~~TML-1~~ TECHNICAL SPECIFICATIONS

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## 5.0 DESIGN FEATURES

### 5.1 SITE

#### Specification

Crane Clean Energy Center

- 5.1.1 The description of the ~~Three Mile Island Unit 1~~ site, including Exclusion/Restricted Area as defined in 10 CFR 100.3, is located in the Final Safety Analysis Report, as updated.

### 5.2 SPENT FUEL STORAGE FACILITIES

#### Specification

#### 5.2.1 SPENT FUEL STORAGE

Spent fuel shall not be stored in the “A” or “B” spent fuel pools.