



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

December 12, 2024

LICENSEE: Constellation Energy Generation, LLC

FACILITY: Peach Bottom Atomic Power Station, Units 2 and 3

SUBJECT: SUMMARY OF NOVEMBER 22, 2024, PARTIALLY CLOSED OBSERVATION MEETING WITH CONSTELLATION ENERGY GENERATION, LLC REGARDING PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 DIGITAL UPGRADE OF THE EMERGENCY CORE COOLING SYSTEM COMPENSATED LEVEL SYSTEM (EPID L-2024-LRM-0009)

On November 22, 2024, the U.S. Nuclear Regulatory Commission (NRC) staff held a partially closed observation meeting with Constellation Energy Generation, LLC (Constellation, the licensee) at NRC Headquarters in Rockville, Maryland. The purpose of the meeting was for Constellation and the NRC staff to discuss a proposed license amendment request (LAR) regarding a digital instrumentation and controls upgrade to the emergency core cooling system (ECCS) compensated level system for Peach Bottom Atomic Power Station, Units 2 and 3 (Peach Bottom). The meeting notice and agenda, dated November 15, 2024, are available in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML24326A047. The enclosure to this summary contains a list of attendees. The licensee prepared presentation slides which are available in ADAMS at ML24325A570.

During the meeting, Constellation discussed a proposed schedule for the planned LAR, including the planned time frame for supplemental information. The licensee confirmed that the only supplement currently planned is the equipment qualification test report summary. The licensee discussed the changes to the facility with the LAR including expanded maintenance and diagnostic testing. The NRC staff requested that the licensee include in its application, the architecture of the monitoring and tuning system with its diagnostic features. Continuing the discussion on changes to the plant interface, the NRC staff asked who is providing the cabinets and the Curtiss-Wright representative responded that Curtiss-Wright will be supplying the cabinets. The licensee mentioned that there will be no changes to Peach Bottom's technical specifications.

The NRC staff asked Constellation to explain their evaluation using the process described in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.59 "Changes, tests, and experiments" which allows licensees to make changes to their facility without prior NRC approval. The licensee responded that because they are making changes to a structure, system, or component (SSC) that affects the design function of the SSC, they screened into the 50.59 process. Evaluating the change against the criteria in 10 CFR 50.59(c)(2), the licensee determined that the change described in the LAR would result in more than a minimal increase in the likelihood of occurrence of a malfunction of an SSC important to safety previously evaluated in the final safety analysis report (as updated), as described in 10 CFR 50.59(c)(2)(ii). Therefore, Constellation will be applying for a license amendment to make changes to the ECCS system.

During the discussion of deviations from the RadICS topical report, the licensee mentioned the only equipment deviation is the use of 2-meter cables instead of the 20-meter cables included in the topical report. The NRC staff asked for more information on these cables and the licensee mentioned they are manufactured by RadICS and will be commercially dedicated by RadICS as well as included in Curtiss-Wright's quality assurance (QA) program.

The NRC staff did not make any regulatory decisions at the meeting. Members of the public were in attendance. Public Meeting Feedback forms were not received. The NRC received one comment congratulating the staff on the helpfulness of dialogue throughout the meeting.

Please direct any inquiries to me at (301) 415-0805, or Rachael.Davis@nrc.gov.

/RA/

Rachael Davis, Project Manager
Licensing Data Analytics, Tools, and Assessments
Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure:
List of Attendees

cc: Listserv

LIST OF ATTENDEES

NOVEMBER 22, 2024, MEETING WITH CONSTELLATION ENERGY GENERATION, LLC

PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3

Name	Organization
Aaron Armstrong	U.S Nuclear Regulatory Commission (NRC)
Christina Antonescu	NRC
Clinton Hobbs	NRC
Deanna Zhang	NRC
En De Chen	NRC
Eric Benner	NRC
Fanta Sacko	NRC
Isaac Wang	NRC
Jack Zhao	NRC
Michael Marshall	NRC
Neal Sheehan	NRC
Rachael Davis	NRC
Rachel Qian	NRC
Samir Darbali	NRC
Sarah Elkhiamy	NRC
William Roggenbrodt	NRC
David Peiffer	Constellation Energy Generation, LLC (Constellation)
John Hopson	Constellation
Pablo Guardado	Constellation
Preeti Furtado	Constellation
Steve Dragovich	Constellation
Stephen Flickinger	Constellation
John Schrage	Sargent Lundy
Mike Lewis	Sargent Lundy
Pareez Golub	Sargent Lundy
Rylee Runyon	Sargent Lundy
Marty Murphy	Curtiss-Wright
Michael Kosman	Curtiss-Wright
Robert Ammon	Curtiss-Wright
Alfred Hyde	Member of the public – Dominion Energy
Mary Miller	Member of the Public – Dominion Energy

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MMarshall, NRR	APatz, OEDO
RDavis, NRR	DGasperson, Region II

ADAMS Accession Nos.

Package: ML24345A031

Meeting Notice: ML24326A047

Meeting Summary (Non-Proprietary): ML24344A227

Meeting Slides: ML24325A570

OFFICE	NRR/DORL/LDATA/PM	NRR/DORL/LPL1/LA	NRR/DORL/LPL1/BC(A)
NAME	RDavis	KEntz	HGonzález (RGuzman for)
DATE	12/6/2024	12/11/2024	12/12/2024

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