



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

June 24, 2024

LICENSEE: Constellation Energy Generation, LLC

FACILITY: Limerick Generating Station, Units 1 and 2

SUBJECT: SUMMARY OF APRIL 11, 2024, CLOSED MEETING WITH CONSTELLATION ENERGY GENERATION, LLC, RELATED TO THE LICENSE AMENDMENT REQUEST TO SUPPORT REPLACEMENT OF EXISTING SAFETY-RELATED ANALOG CONTROL SYSTEMS WITH A SINGLE DIGITAL PLANT PROTECTION SYSTEM (EPID L-2022-LLA-0140)

On April 11, 2024, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of Constellation Energy Generation, LLC (Constellation). The purpose of the meeting was for the NRC staff to discuss with Constellation a license amendment request for Limerick Generating Station, Units 1 and 2 (Limerick) dated September 26, 2023 (Non-Publicly Available); as supplemented by letters dated August 12, 2022 (Agencywide Documents Access and Management System Accession (ADAMS) (ML22224A149), November 29, 2022 (ML22333A817), February 8, 2023 (ML23039A141), February 15, 2023 (ML23046A266), March 30, 2023 (ML23089A324), April 5, 2023 (ML23095A223), June 26, 2023 (ML23177A224), July 31, 2023 (ML23212B236), September 12, 2023 (ML23255A095), October 30, 2023 (ML23303A223), and November 21, 2023 (ML23325A206).

The proposed amendment requests would change both the design and technical specifications to permit the use of a new single digital instrumentation and controls system to replace analog instrumentation of reactor protection system, analog nuclear steam supply shutoff system, emergency core cooling system, reactor core isolation cooling system, and end-of-cycle recirculation pump trip at Limerick. In addition, the proposed amendments would change the classification of the redundant reactivity control system from safety-related to non-safety-related, eliminate the automatic redundant reactivity control system feedwater runback function, eliminate the automatic isolation function for the turbine enclosure main steam line tunnel temperature high indication, eliminate several surveillance requirements, and allow the use of automated operator aids (or automated controls) from the main control room. The meeting notice dated April 9, 2024, is available in ADAMS at Accession No. ML24100A715.

The Constellation representatives and the NRC staff discussed the configuration and functionality of the component interface module intended for use in the Limerick digital modernization project. The discussions centered around questions sent to the licensee prior to the meeting (Non-Publicly Available).

Please direct any inquiries to me at 301-415-2871 or michael.marshall@nrc.gov.

Sincerely,

/RA/

Michael L. Marshall, Jr., Senior Project Manager
Plant Licensing Branch I
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-352 and 50-353

Enclosure:
List of Attendees

cc: Listserv

LIST OF ATTENDEES
APRIL 11, 2024, MEETING WITH
CONSTELLATION ENERGY GENERATION, LLC
DIGITAL INSTRUMENT AND CONTROL RELATED AMENDMENT
LIMERICK GENERATING STATION, UNITS 1 AND 2

Nuclear Regulatory Commission

Christina Antonescu
Samir Darbali
Hipo González
Robert Kuntz
Michael Marshall
Bill Roggenbrodt
Fanta Sacko

Constellation Energy Generation, LLC

George Bonanni
Michael Foote
Michael Henry
Steven Hesse
Kayla Marriner
Frank Mascitelli
Dave Molteni
Mark Samselski
Gerald Segner

Constellation Energy Generation, LLC Contractor

Matt Shakun
Steve Merkiel
Warren Odess-Gillett
Robert Phillips
Stephen Seaman
Hasan Uyar

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RKuntz, NRR
SDarbali, NRR
WRoggenbrodt, NRR
RAlvarado, NRR

ADAMS Accession Nos.:

Package: ML24162A223

Meeting Notice: ML24100A715

Meeting Summary: ML24162A221

OFFICE	NRR/DORL/LPL3/PM	NRR/DORL/LPL3/LA	NRR/DORL/LPL1/BC	NRR/DORL/LPL3/PM
NAME	MMarshall	KZeleznock	HGonzález	MMarshall
DATE	06/10/2024	06/11/2024	06/24/2024	06/24/2024

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